

# Benutzerhandbuch

32HFL5114/12  
43HFL5114/12  
43HFL5114U/12  
43HFL6114U/12  
50HFL5114U/12  
50HFL6114U/12  
55HFL6114U/12  
65HFL6114U/12  
75HFL6114U/12

**PHILIPS**

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# TV-Tour

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## Profimodus

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### Anwendungsmöglichkeiten

Im Profimodus EIN haben Sie Zugriff auf eine Vielzahl von Experteneinstellungen, die eine erweiterte Steuerung des Zustands des Fernsehers ermöglichen oder zusätzliche Funktionen bieten.

Dieser Modus ist für die Installation von Fernsehern an Orten wie Hotels, Kreuzfahrtschiffen, Stadien oder anderen kommerziellen Bereichen vorgesehen, an denen eine solche Steuerung erforderlich ist.

Wenn Sie den Fernseher zu Hause verwenden, wird empfohlen, ihn im Profimodus AUS zu verwenden.

Weitere Informationen finden Sie im Professional Installationshandbuch.

# Konfigurieren

## 2.1

## Lesen der Sicherheitshinweise

Lesen Sie die Sicherheitshinweise, bevor Sie den Fernseher zum ersten Mal verwenden.

## 2.2

## Standfuß und Wandmontage

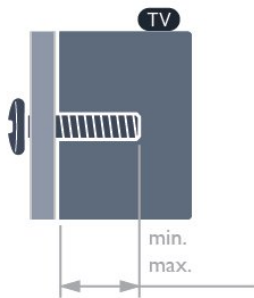
### Standfuß

Die Montageanweisungen für den Standfuß finden Sie in der mitgelieferten Kurzanleitung. Falls diese Anleitung abhandeln gekommen ist, können Sie sie unter [www.philips.com](http://www.philips.com) herunterladen.

Geben Sie zum Herunterladen des **Guide** die Typennummer des Fernsehers in das Suchfeld ein.

### Wandmontage

Ihr Gerät kann mit einer VESA-kompatiblen Wandhalterung verwendet werden (separat erhältlich). Nutzen Sie den folgenden VESA-Code, um die Wandhalterung zu erwerben. . .



- 43HFL6114U  
VESA MIS-F 200x200, M6 (min.: 8 mm, max.: 13 mm)
- 50HFL6114U  
VESA MIS-F 300x200, M6 (min.: 8 mm, max.: 14 mm)
- 55HFL6114U  
VESA MIS-F 300x200, M6 (min.: 8 mm, max.: 14 mm)
- 65HFL6114U  
VESA MIS-F 400x200, M6 (min.: 11 mm, max.: 14 mm)
- 75HFL6114U

VESA MIS-F 600x400, M8 (min.: 18 mm, max.: 28 mm)

- 32HFL5114  
VESA MIS-F 100x100, M6 (min.: 10 mm, max.: 12 mm)
- 43HFL5114/43HFL5114U  
VESA MIS-F 200x200, M6 (min.: 12 mm, max.: 14 mm)
- 50HFL5114U  
VESA MIS-F 200x200, M6 (min.: 12 mm, max.: 14 mm)

### Vorbereitung

Entfernen Sie zunächst die vier Kunststoff-Schraubkappen von den Gewindebuchsen auf der Rückseite des Fernsehers (nur bei 5114 109 cm/43"). Stellen Sie sicher, dass die Metallschrauben zum Montieren des Fernsehers an der VESA-kompatiblen Halterung etwa 10 mm in die Gewindebuchsen des Fernsehers eingedreht werden können.

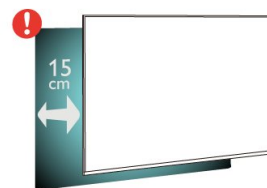
### Vorsicht

Die Wandmontage des Fernsehers erfordert Fachkenntnisse und sollte nur von qualifiziertem Personal durchgeführt werden. Bei der Wandmontage des Fernsehers sollten die dem Gewicht des Geräts entsprechenden Sicherheitsstandards beachtet werden. Lesen Sie zudem die Sicherheitshinweise, bevor Sie den Fernseher aufstellen. TP Vision Europe B.V. übernimmt keine Haftung für eine unsachgemäße Montage oder aus der Montage resultierende Unfälle oder Verletzungen.

## 2.3

## Tipps zum Aufstellen

- Stellen Sie den Fernseher so auf, dass kein direktes Licht auf den Bildschirm fällt.
- Der ideale Abstand zum Fernseher beträgt das Dreifache der Bildschirmdiagonale. Im Sitzen sollten Ihre Augen auf derselben Höhe sein wie die Mitte des Bildschirms.
- Platzieren Sie den Fernseher bei einer Wandmontage bis zu 15 cm von der Wand entfernt.



Hinweis:

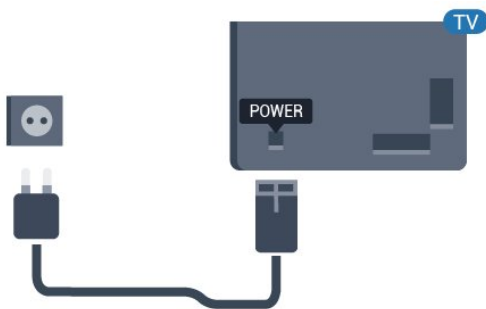
Halten Sie den Fernseher von stauberzeugenden Quellen wie Öfen fern. Wir empfehlen, Staub regelmäßig zu entfernen, um zu vermeiden, dass dieser in den Fernseher eindringt.

---

2.4

## Netzkabel

- Schließen Sie das Netzkabel an den Anschluss **POWER** auf der Rückseite des Fernsehers an.
- Stellen Sie sicher, dass das Netzkabel fest in den Anschluss gesteckt ist.
- Achten Sie darauf, dass der Netzstecker in der Steckdose jederzeit zugänglich ist.
- Um das Stromkabel vom Netzanschluss zu trennen, ziehen Sie niemals am Kabel, sondern immer am Stecker.



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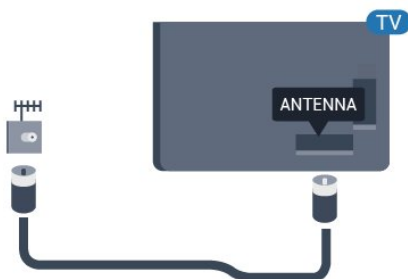
2.5

## Antennenkabel

Stecken Sie den Antennenstecker fest in die **Antennenbuchse** auf der Rückseite des Fernsehers.

Sie können Ihre eigene Antenne anschließen oder eine Verbindung zu einem Antennensignal von einem Antennenverteilersystem herstellen. Verwenden Sie ein HF-Koaxialkabel (75 Ohm) mit IEC-Stecker.

Verwenden Sie diese Antennenverbindung für DVB-T- und DVB-C-Eingangssignale.

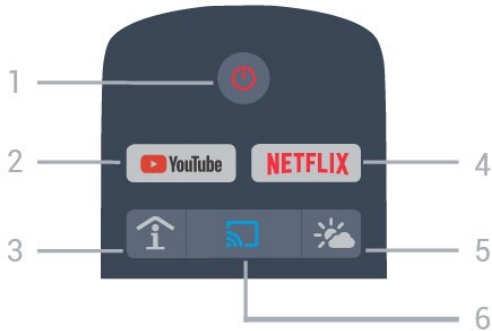


# Fernbedienung

## 3.1

### Die Tasten im Überblick

#### Oben



1 - **Standby-Taste/Ein-/Ausschalter**  
Zum Einschalten des Fernsehers oder Umschalten in den Standby-Modus.

2 - **YouTube**  
Zum Öffnen von YouTube.

3 - **SMART INFO (nur im Profimodus EIN)**  
Zum Anzeigen von Informationen des Hotels.

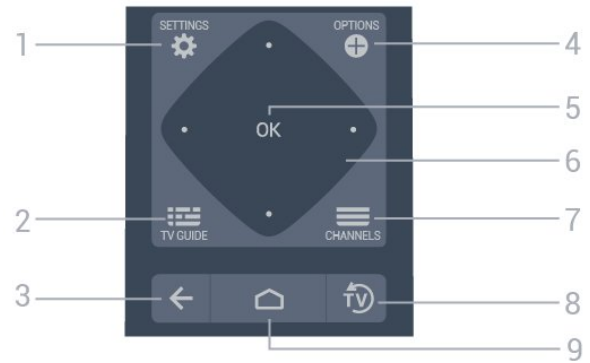
4 - **NETFLIX**  
Öffnen der Netflix-App, Während der Fernseher eingeschaltet ist oder sich im Standby-Modus befindet.)

- Wenn Sie ein Netflix-Abonnement besitzen, können Sie Netflix auf diesem Fernseher genießen. Der Fernseher muss mit dem Internet verbunden sein.
- Drücken Sie zum Öffnen von Netflix **NETFLIX**, um die Netflix-App zu öffnen. Sie können Netflix sofort über einen Fernseher im Standby-Betrieb öffnen.

5 - **Wetter (nur im Profimodus EIN)**  
Um die Wetterinformationen für Ihren Standort anzuzeigen.

6 - **Google Cast (nur im Profimodus EIN)**  
Um die Inhalte des Displays Ihres Mobilgeräts auf dem Fernseher anzuzeigen.

#### Mitte



1 - **SETTINGS**  
Zum Öffnen des Einstellungsmenüs.

2 - **TV-GUIDE**  
Zum Öffnen einer Liste aller aktuellen und geplanten Sendungen Ihrer Sender.

3 - **BACK**  
• Zum Umschalten zum zuletzt ausgewählten Sender.  
• Zurück zum vorherigen Menü.

4 - **OPTIONS**  
Zum Öffnen bzw. Schließen des Optionsmenüs.

5 - **OK-Taste**  
Zum Bestätigen einer Auswahl oder Einstellung.

6 - **Pfeil-/Navigationstasten**  
Zum Navigieren nach oben , unten , links oder rechts .

7 - **Sender**  
Zum Wechseln zum vorherigen oder nächsten Sender in der Senderliste.

8 - **EXIT**  
Zum Umschalten zur Wiedergabe des Fernsehprogramms.

9 - **HOME**  
Zum Öffnen des Home-Menüs.

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## Unten



1 - Lautstärke

Zum Einstellen der Lautstärke.

2 - Farbtasten

Direktwahl von Optionen.

3 - CLOCK

Zum Anzeigen der Uhr.

4 - Sender

Zum Wechseln zum vorherigen oder nächsten Sender in der Senderliste.

5 - Stummschalten

Zum Aus-/Einschalten des Tons.

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### 3.2

## IR-Sensor

Der Fernseher kann Befehle von einer Fernbedienung empfangen, die Infrarot (IR) zur Befehlsübertragung verwendet. Achten Sie bei der Verwendung einer derartigen Fernbedienung darauf, dass die Fernbedienung stets auf den Infrarotsensor an der Vorderseite des Fernsehers gerichtet ist.

### Warnung

Stellen Sie nichts vor den Infrarotsensor des Fernsehers. Objekte könnten das IR-Signal blockieren.

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### 3.3

## Pflege

Die Fernbedienung wurde mit einer kratzfesten Beschichtung behandelt.




Reinigen Sie die Fernbedienung mit einem weichen, feuchten Tuch. Verwenden Sie dabei keine Substanzen wie Alkohol, Chemikalien oder Haushaltsreiniger.

# Ein- und Ausschalten


## Einschalten oder Standby

Vergewissern Sie sich, dass der Fernseher an die Stromversorgung angeschlossen ist. Schließen Sie das im Lieferumfang enthaltene Netzkabel an den **AC-Eingang** auf der Rückseite des Fernsehers an. Die Anzeige am unteren Rand des Fernsehers leuchtet auf.

### Einschalten

Drücken Sie auf der Fernbedienung die Taste , um den Fernseher einzuschalten. Alternativ können Sie auch die Taste  /  **Home** drücken. Sie können auch die kleine Joystick-Taste auf der Rückseite bzw. Unterseite des Fernsehers drücken, um den Fernseher einzuschalten, wenn Sie die Fernbedienung nicht finden können oder die Batterien leer sind.

### Umschalten in den Standby-Modus


Drücken Sie zum Umschalten in den Standby-Modus  auf der Fernbedienung. Sie können dazu auch die kleine Joystick-Taste auf der Rückseite bzw. Unterseite des Fernsehers drücken.

Im Standby-Modus ist der Fernseher weiterhin an die Stromversorgung angeschlossen, verbraucht jedoch nur sehr wenig Energie.

Um den Fernseher vollständig auszuschalten, ziehen Sie den Netzstecker heraus.

Ziehen Sie dazu niemals am Kabel, sondern immer am Stecker. Stellen Sie sicher, dass der Zugang zum Netzstecker, Netzkabel und zur Steckdose jederzeit frei ist.

Lautstärke einzustellen oder zum nächsten oder vorangehenden Sender zu schalten. Wenn Sie nach oben oder unten drücken, können Sie durch die Liste der Quellen navigieren, darunter die Tuner-Auswahl.  
4 – Das Menü wird automatisch ausgeblendet.




Um den Fernseher in den Standby-Modus zu schalten, wählen Sie  und drücken Sie die Joystick-Taste auf der Rückseite bzw. Unterseite des Fernsehers.

## Tasten am Fernseher

Wenn Sie Ihre Fernbedienung verloren haben oder die Batterien leer sind, können Sie dennoch einige grundlegende Funktionen des Fernsehers nutzen.

So öffnen Sie das Basismenü:

1 – Drücken Sie bei eingeschaltetem Fernseher die Joystick-Taste auf der Rückseite bzw. Unterseite des Fernsehers, um das Basismenü aufzurufen.

2 – Drücken Sie nach links oder rechts, um  **Lautstärke**,  **Sender** oder  **Quellen** auszuwählen.

3 – Drücken Sie nach oben oder unten, um die



# Technische Daten

## 5.1

## Umweltschutz

### Produktdatenblatt

#### 43HFL6114U

- Energieeffizienzklasse: A
- Größe des sichtbaren Bildschirms: 108 cm (43")
- Energieverbrauch im eingeschalteten Zustand (W): 61 W
- Jährlicher Energieverbrauch (kWh)\*: 90 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 3840 x 2160p

#### 50HFL6114U

- Energieeffizienzklasse: A+
- Größe des sichtbaren Bildschirms: 126 cm (50")
- Energieverbrauch im eingeschalteten Zustand (W): 68 W
- Jährlicher Energieverbrauch (kWh)\*: 100 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 3840 x 2160p

#### 55HFL6114U

- Energieeffizienzklasse: A+
- Größe des sichtbaren Bildschirms: 139 cm (55")
- Energieverbrauch im eingeschalteten Zustand (W): 83 W
- Jährlicher Energieverbrauch (kWh)\*: 122 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 3840 x 2160p

#### 65HFL6114U

- Energieeffizienzklasse: A+
- Größe des sichtbaren Bildschirms: 164 cm (65")
- Energieverbrauch im eingeschalteten Zustand (W): 104 W
- Jährlicher Energieverbrauch (kWh)\*: 152 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 3840 x 2160p

#### 75HFL6114U

- Energieeffizienzklasse: A+
- Größe des sichtbaren Bildschirms: 189 cm (75")
- Energieverbrauch im eingeschalteten Zustand (W): 113 W
- Jährlicher Energieverbrauch (kWh)\*: 165 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 3840 x 2160p

#### 32HFL5114

- Energieeffizienzklasse: A+
- Größe des sichtbaren Bildschirms: 80 cm (32")
- Energieverbrauch im eingeschalteten Zustand (W): 29 W
- Jährlicher Energieverbrauch (kWh)\*: 43 kWh

- Energieverbrauch Standby (W)\*\*: 0,35 W
- Bildschirmauflösung (Pixel): 1920 x 1080p

#### 43HFL5114

- Energieeffizienzklasse: A+
- Größe des sichtbaren Bildschirms: 108 cm (43")
- Energieverbrauch im eingeschalteten Zustand (W): 48 W
- Jährlicher Energieverbrauch (kWh)\*: 71 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 1920 x 1080p

#### 43HFL5114U

- Energieeffizienzklasse: A
- Größe des sichtbaren Bildschirms: 108 cm (43")
- Energieverbrauch im eingeschalteten Zustand (W): 59 W
- Jährlicher Energieverbrauch (kWh)\*: 87 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 3840 x 2160p

#### 50HFL5114U

- Energieeffizienzklasse: A+
- Größe des sichtbaren Bildschirms: 126 cm (50")
- Energieverbrauch im eingeschalteten Zustand (W): 70 W
- Jährlicher Energieverbrauch (kWh)\*: 103 kWh
- Energieverbrauch Standby (W)\*\*: 0,3 W
- Bildschirmauflösung (Pixel): 3840 x 2160p

\* Energiebedarf in kWh/Jahr, basierend auf einem Betrieb des Fernsehers von 4 Stunden pro Tag, 365 Tage im Jahr. Der tatsächliche Wert ist abhängig von der Verwendung des Fernsehers.

\*\* Wenn der Fernseher über die Fernbedienung ausgeschaltet wurde und keine Funktion aktiv ist.

### EPREL-Registrierungsnummer

43HFL6114U: 341921

50HFL6114U: 341992

55HFL6114U: 342447

65HFL6114U: 342465

75HFL6114U: 355587

32HFL5114: 341818

43HFL5114: 341833

43HFL5114U: 341835

50HFL5114U: 341991

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## Nutzungsende

### Entsorgung von Altgeräten und Akkus

Ihr Gerät wurde unter Verwendung hochwertiger Materialien und Komponenten entwickelt und hergestellt, die recycelt und wiederverwendet werden können.



Befindet sich dieses Symbol (durchgestrichene Abfalltonne auf Rädern) auf dem Gerät, bedeutet dies, dass für dieses Gerät die Europäische Richtlinie 2012/19/EU gilt.



Informieren Sie sich über die örtlichen Bestimmungen zur getrennten Sammlung elektrischer und elektronischer Geräte.

Beachten Sie die geltenden regionalen Bestimmungen, und entsorgen Sie Altgeräte nicht mit dem normalen Hausmüll. Die korrekte Entsorgung des nicht mehr benötigten Produkts hilft, negative Auswirkungen auf Umwelt und Gesundheit zu vermeiden.

Ihr Produkt enthält Akkus, die der Europäischen Richtlinie 2006/66/EG unterliegen. Diese dürfen nicht mit dem normalen Hausmüll entsorgt werden.



Informieren Sie sich über die getrennte Sammlung von Batterien in Ihrem Land. Die korrekte Entsorgung der Batterien hilft, negative Auswirkungen auf Umwelt und Gesundheit zu vermeiden.

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## 5.2

## Leistung

Produktdaten können ohne Vorankündigung geändert werden. Weitere Details zu den Produktdaten finden Sie unter [www.philips.com/support](http://www.philips.com/support).

### Leistung

- Netzstrom: 220 bis 240 V Wechselstrom +/- 10 %
- Umgebungstemperatur: 5 °C bis 35 °C
- Energiesparfunktionen: Eco-Modus, Bildabschaltung (bei Radiobetrieb), Ausschalt-Timer, Menü für Energiespareinstellungen.

Informationen zum Energieverbrauch finden Sie im Kapitel Produktdatenblatt.

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## 5.3

## Betriebssystem

Android OS:

Android Pie 9

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## 5.4

## Empfang

- Antenneneingang: 75 Ohm koaxial (IEC75)
- Tuner-Band: Hyperband, UHF, VHF
- DVB: DVB-T2, DVB-C (Kabel) QAM
- Analoge Videowiedergabe: SECAM, PAL
- Digitale Videowiedergabe: MPEG2 SD/HD (ISO/IEC 13818-2), MPEG4 SD/HD (ISO/IEC 14496-10), HEVC\*
- Digitale Audiowiedergabe (ISO/IEC 13818-3)
- Eingangsfrequenzbereich: 950 bis 2150 MHz
- Eingangspegel: 25 bis 65 dBm

\* Nur für DVB-T2

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## 5.5

## Bildschirmtyp (6114U)

Bildschirmdiagonale:

- 108 cm (43")
- 126 cm (50")
- 139 cm (55")
- 164 cm (65")
- 189 cm (75")

Bildschirmauflösung

- 3840 x 2160

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## 5.6

## Bildschirmtyp (5114/5114U)

Bildschirmdiagonale:

- 80 cm (32")
- 108 cm (43")
- 126 cm (50")

Bildschirmauflösung

1920 x 1080 (5114)

3840 x 2160 (5114U)

## Bildschirmauflösung (Eingang) (6114U)

### Videoformate

#### Auflösung – Bildwiederholfrequenz

- 480i – 60 Hz
- 480p – 60 Hz
- 576i – 50 Hz
- 576p – 50 Hz
- 720p – 50 Hz, 60 Hz
- 1080i – 50 Hz, 60 Hz
- 1080p – 24 Hz, 25 Hz, 30 Hz
- 2160p – 24 Hz, 25 Hz, 30 Hz, 50 Hz, 60 Hz

### Computerformate

#### Auflösungen (u. a.)

- 640 x 480 – 60 Hz
- 800 x 600 – 60 Hz
- 1024 x 768 – 60 Hz
- 1280 x 768 – 60 Hz
- 1360 x 765 – 60 Hz
- 1360 x 768 – 60 Hz
- 1280 x 1024 – 60 Hz
- 1920 x 1080 – 60 Hz
- 3840 x 2160 – 60 Hz

## Bildschirmauflösung (Eingang) (5114)

### Videoformate

#### Auflösung – Bildwiederholfrequenz

- 480i – 60 Hz
- 480p – 60 Hz
- 576i – 50 Hz
- 576p – 50 Hz
- 720p – 50 Hz, 60 Hz
- 1080i – 50 Hz, 60 Hz
- 1080p – 24 Hz, 25 Hz, 30 Hz

### Computerformate

#### Auflösungen (u. a.)

- 640 x 480 – 60 Hz
- 800 x 600 – 60 Hz
- 1024 x 768 – 60 Hz
- 1280 x 768 – 60 Hz
- 1360 x 765 – 60 Hz
- 1360 x 768 – 60 Hz
- 1280 x 1024 – 60 Hz
- 1920 x 1080 – 60 Hz

## Bildschirmauflösung (Eingang) (5114U)

### Videoformate

#### Auflösung – Bildwiederholfrequenz

- 480i – 60 Hz
- 480p – 60 Hz
- 576i – 50 Hz
- 576p – 50 Hz
- 720p – 50 Hz, 60 Hz
- 1080i – 50 Hz, 60 Hz
- 1080p – 24 Hz, 25 Hz, 30 Hz
- 2160p – 24 Hz, 25 Hz, 30 Hz, 50 Hz, 60 Hz

### Computerformate

#### Auflösungen (u. a.)

- 640 x 480 – 60 Hz
- 800 x 600 – 60 Hz
- 1024 x 768 – 60 Hz
- 1280 x 768 – 60 Hz
- 1360 x 765 – 60 Hz
- 1360 x 768 – 60 Hz
- 1280 x 1024 – 60 Hz
- 1920 x 1080 – 60 Hz
- 3840 x 2160 – 60 Hz

## Konnektivität (6114U)

### Seite des Fernsehers

- CI-Steckplatz: CI+/CAM
- USB 1 – USB 3.0
- Kopfhörer: 3,5 mm Stereo-Miniklinkenbuchse
- HDMI 1-Eingang, ARC, Ultra HD

### TV-Unterseite

- Netzwerk-LAN: RJ45
- HDMI 2-Eingang, ARC, Ultra HD
- HDMI 3-Eingang, ARC, Ultra HD
- Antenne (75 Ohm)
- USB 2 – USB 2.0
- 12 VDC-Ausgang
- 8  $\Omega$  Audio-Ausgang
- DATA (RJ-48)

## Konnektivität (5114)

### Seite des Fernsehers

- CI-Steckplatz: CI+/CAM
- USB 1 – USB 3.0
- Kopfhörer: 3,5 mm Stereo-Miniklinkenbuchse
- HDMI 1-Eingang, ARC, FHD

#### TV-Unterseite

- Netzwerk-LAN: RJ45
- HDMI 2-Eingang, ARC, FHD
- Antenne (75 Ohm)
- USB 2 – USB 2.0
- 12 VDC-Ausgang
- 8  $\Omega$  Audio-Ausgang
- DATA (RJ-48)

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5.12

## Konnektivität (5114U)

#### Seite des Fernsehers

- CI-Steckplatz: CI+/CAM
- USB 1 – USB 3.0
- Kopfhörer: 3,5 mm Stereo-Miniklinkenbuchse
- HDMI 1-Eingang, ARC, Ultra HD

#### TV-Unterseite

- Netzwerk-LAN: RJ45
- HDMI 2-Eingang, ARC, Ultra HD
- Antenne (75 Ohm)
- USB 2 – USB 2.0
- 12 VDC-Ausgang
- 8  $\Omega$  Audio-Ausgang
- DATA (RJ-48)

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5.13

## Abmessungen und Gewichte (6114U)

#### 43HFL6114U

- Ohne TV-Standfuß:  
Breite: 963,98 mm, Höhe: 569,28 mm, Tiefe: 74,5 mm, Gewicht:  $\pm 9,44$  kg
- Mit TV-Standfuß:  
Breite: 963,98 mm, Höhe: 594,09 mm, Tiefe: 190,1 mm, Gewicht:  $\pm 11,48$  kg

#### 50HFL6114U

- Ohne TV-Standfuß:  
Breite: 1119,8 mm, Höhe: 650 mm, Tiefe: 77,7 mm, Gewicht:  $\pm 13,74$  kg
- Mit TV-Standfuß:  
Breite: 1119,8 mm, Höhe: 681 mm, Tiefe: 240,1 mm, Gewicht:  $\pm 16,44$  kg

#### 55HFL6114U

- Ohne TV-Standfuß:  
Breite: 1233,6 mm, Höhe: 714 mm, Tiefe: 113,2 mm, Gewicht:  $\pm 16,5$  kg
- Mit TV-Standfuß:  
Breite: 1233,6 mm, Höhe: 746,8 mm, Tiefe: 240 mm, Gewicht:  $\pm 19,05$  kg

#### 65HFL6114U

- Ohne TV-Standfuß:  
Breite: 1459,28 mm, Höhe: 849,84 mm, Tiefe: 86,4 mm, Gewicht:  $\pm 25,72$  kg

- Mit TV-Standfuß:  
Breite: 1459,28 mm, Höhe: 872,5 mm, Tiefe: 267,11 mm, Gewicht:  $\pm 29,7$  kg

#### 75HFL6114U

- Ohne TV-Standfuß:  
Breite: 1683,2 mm, Höhe: 965,9 mm, Tiefe: 93,7 mm, Gewicht:  $\pm 33,5$  kg
- Mit TV-Standfuß:  
Breite: 1683,2 mm, Höhe: 992,9 mm, Tiefe: 299,4 mm, Gewicht:  $\pm 34$  kg

---

5.14

## Abmessungen und Gewichte (5114/5114U)

#### 32HFL5114

- Ohne TV-Standfuß:  
Breite: 731,8 mm, Höhe: 435,31 mm, Tiefe: 77,3 mm, Gewicht:  $\pm 4,61$  kg
- Mit TV-Standfuß:  
Breite: 731,8 mm, Höhe: 494,14 mm, Tiefe: 179,31 mm, Gewicht:  $\pm 4,68$  kg

#### 43HFL5114

- Ohne TV-Standfuß:  
Breite: 969,6 mm, Höhe: 565,6 mm, Tiefe: 80,5 mm, Gewicht:  $\pm 7,19$  kg
- Mit TV-Standfuß:  
Breite: 969,6 mm, Höhe: 624,2 mm, Tiefe: 194 mm, Gewicht:  $\pm 7,27$  kg

#### 43HFL5114U

- Ohne TV-Standfuß:  
Breite: 972,81 mm, Höhe: 567,85 mm, Tiefe: 80,5 mm, Gewicht:  $\pm 8,0$  kg
- Mit TV-Standfuß:  
Breite: 972,81 mm, Höhe: 625,59 mm, Tiefe: 194,02 mm, Gewicht:  $\pm 8,08$  kg

#### 50HFL5114U

- Ohne TV-Standfuß:  
Breite: 1127,64 mm, Höhe: 655,31 mm, Tiefe: 89,62 mm, Gewicht:  $\pm 11,3$  kg
- Mit TV-Standfuß:  
Breite: 1127,64 mm, Höhe: 711,95 mm, Tiefe: 214,5 mm, Gewicht:  $\pm 11,5$  kg

---

5.15

## Ton

- Ausgangsleistung (RMS): 20 W (81 cm/32": 16 W
- Dolby Audio
- DTS HD

# Anschließen von Geräten

## Anschließen von Geräten

### Verbindungsleitfaden

Verwenden Sie zum Verbinden eines Geräts mit dem Fernseher immer die hochwertigste Verbindung. Verwenden Sie außerdem qualitativ hochwertige Kabel, um eine gute Bild- und Tonübertragung sicherzustellen.

Wenn Sie ein Gerät anschließen, erkennt der Fernseher den entsprechenden Typ und ordnet dem Gerät die richtige Typenbezeichnung zu. Bei Bedarf können Sie den Typennamen ändern. Wenn eine richtige Typenbezeichnung für ein Gerät festgelegt wird, wechselt der Fernseher automatisch zu den idealen Fernsehereinstellungen, wenn Sie im Quellenmenü dieses Gerät auswählen.

### Antennenanschluss

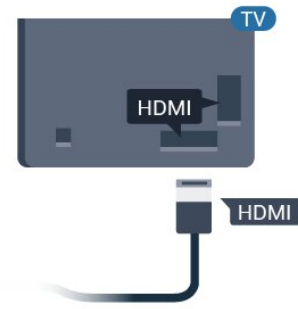
Wenn Sie über eine Set-Top-Box (einen Digitalreceiver) oder einen Recorder verfügen, verbinden Sie die Kabel so, dass das Antennensignal zunächst durch die Set-Top-Box bzw. den Recorder läuft, bevor es zum Fernseher gelangt. Dadurch können die Antenne und die Set-Top-Box zur Aufnahme mögliche zusätzliche Kanäle an den Recorder senden.

### HDMI-Anschlüsse

#### HDMI-Qualität

Ein HDMI-Anschluss bietet die beste Bild- und Tonqualität. Ein einzelnes HDMI-Kabel kombiniert Video- und Audiosignale. Verwenden Sie ein HDMI-Kabel für das Fernsehsignal.

Verwenden Sie ein High Speed-HDMI-Kabel für optimale Signalqualitätsübertragung, und verwenden Sie kein HDMI-Kabel, das länger als 5 Meter ist.



#### Kopierschutz

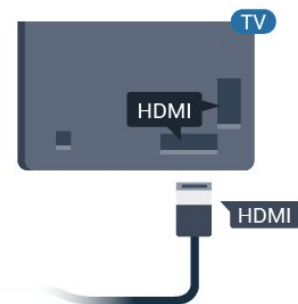
HDMI-Kabel unterstützen HDCP (High-Bandwidth Digital Content Protection). HDCP ist ein Kopierschutzsignal, das verhindert, dass Inhalte von einer DVD oder Blu-ray Disc kopiert werden. Es wird auch DRM (Digital Rights Management) genannt.

#### HDMI ARC

Alle HDMI-Anschlüsse am Fernseher verfügen über HDMI ARC (Audio Return Channel).

Wenn das Gerät, in der Regel ein Home Entertainment-System (HES), ebenfalls über einen HDMI ARC-Anschluss verfügt, schließen Sie es an einen HDMI-Anschluss an diesem Fernseher an. Durch die HDMI ARC-Verbindung benötigen Sie kein separates Audiokabel zur Übertragung des Tons an das HES. Über HDMI ARC werden sowohl Video- als auch Audiosignale übertragen.

Zum Anschluss des HES am Fernseher können Sie einen beliebigen HDMI-Anschluss verwenden, ARC steht jedoch für jeweils nur ein Gerät bzw. eine Verbindung zur Verfügung.



#### HDMI CEC – EasyLink

Ein HDMI-Anschluss bietet die beste Bild- und Tonqualität. Ein einzelnes HDMI-Kabel kombiniert Video- und Audiosignale. Verwenden Sie ein HDMI-Kabel für Fernsehsignale im HD-Format (High Definition). Verwenden Sie ein High Speed-HDMI-Kabel für optimale Signalqualitätsübertragung, und

verwenden Sie kein HDMI-Kabel, das länger als 5 Meter ist.

Verbinden Sie HDMI CEC-kompatible Geräte mit Ihrem Fernseher. Sie können diese dann mit der Fernbedienung des Fernsehers bedienen.

Dazu muss EasyLink HDMI CEC auf dem Fernseher und dem angeschlossenen Gerät eingeschaltet sein.



#### Hinweis:

- EasyLink funktioniert unter Umständen nicht mit Geräten anderer Hersteller.
- Die HDMI-CEC-Funktionalität wird bei verschiedenen Marken unterschiedlich benannt. Einige Beispiele sind: Anynet, Aquos Link, Bravia Theatre Sync, Kuro Link, Simplink und Viera Link. Nicht alle Marken sind vollständig mit EasyLink kompatibel. Als Beispiel genannte HDMI-CEC-Marken sind Eigentum der jeweiligen Inhaber.

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#### EasyLink Ein/Aus

Sie können EasyLink ein- oder ausschalten. Standardmäßig sind alle EasyLink-Einstellungen des Fernsehers aktiviert.

So schalten Sie EasyLink vollständig aus:

Profimodus AUS – Drücken Sie / Home. Drücken Sie (nach unten), wählen Sie **Einstellungen** aus und drücken Sie **OK**.

Wählen Sie **Quellen** > **EasyLink** aus, und drücken Sie **OK**.

Wählen Sie **EasyLink** aus, und drücken Sie **OK**.

Wählen Sie **Aus**, und drücken Sie die Taste **OK**.

Drücken Sie gegebenenfalls mehrmals **BACK**, um das Menü zu beenden.

Profimodus EIN – Bitte lesen Sie im Installationshandbuch nach.

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#### EasyLink-Fernbedienung

Wenn Sie möchten, dass Geräte zwar miteinander kommunizieren, nicht jedoch über die Fernbedienung des Fernsehers gesteuert werden, können Sie die EasyLink-Fernbedienung auch separat deaktivieren.

So aktivieren bzw. deaktivieren Sie die EasyLink-Fernbedienung:

Profimodus AUS – Drücken Sie / Home. Drücken Sie (nach unten), wählen Sie **Einstellungen** und drücken Sie **OK**.

Wählen Sie **Quellen** > **EasyLink** aus, und drücken Sie **OK**.

Wählen Sie **EasyLink-Fernbedienung** aus, und drücken Sie **OK**.

Wählen Sie **Ein** oder **Aus**, und drücken Sie **OK**.

Drücken Sie gegebenenfalls mehrmals **BACK**, um das Menü zu beenden.

Profimodus EIN – Bitte lesen Sie im Installationshandbuch nach.

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#### 6.2

### CAM mit Smart Card – CI+

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#### CI+

Dieser Fernseher ist kompatibel mit CI+ Conditional Access-Modulen (CAM).

Mit CI+ können Sie Premium-HD-Programme ansehen, wie Filme oder Sport, die von digitalen Fernsehsendern in Ihrer Region angeboten werden. Diese Programme werden von den Fernsehsendern verschlüsselt und können mit einem erworbenen CI+-Modul entschlüsselt werden.

Wenn Sie Premium-Programme eines digitalen Fernsehanbieters abonnieren, erhalten Sie von diesem ein CI+-Modul (Conditional Access Module, CAM) sowie eine zugehörige Smart Card. Diese Programme verfügen über einen strengen Kopierschutz.

Wenden Sie sich an einen digitalen Fernsehbetreiber, um weitere Informationen zu den Bedingungen zu erhalten.



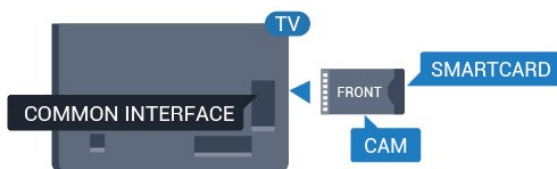
## Smart Card

Wenn die Premium-Programme eines digitalen Fernsehanbieters abonnieren, erhalten Sie von diesem ein CI+-Modul (Conditional Access Module, CAM) sowie eine zugehörige Smart Card.

Stecken Sie die Smart Card in das CA-Modul. Berücksichtigen Sie dabei an die Anweisungen des Betreibers.

So stecken Sie das CA-Modul in den Fernseher:

- 1 - Achten Sie beim Einstecken des CA-Moduls auf die richtige Ausrichtung. Eine falsche Ausrichtung kann das CA-Modul und den Fernseher beschädigen.
- 2 - Stecken Sie das CA-Modul mit der Vorderseite zu Ihnen gerichtet in den Anschluss **COMMON INTERFACE** auf der Rückseite des Fernsehers.
- 3 - Drücken Sie das CA-Modul so weit wie möglich hinein. Lassen Sie es dauerhaft in dem Steckplatz.



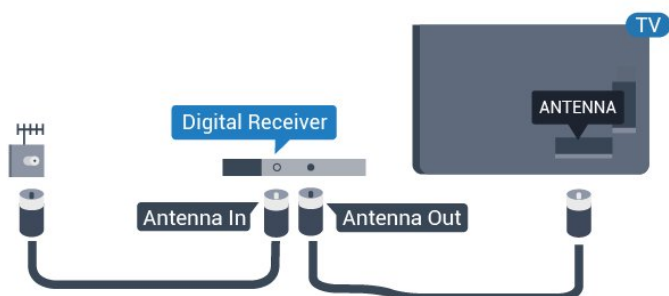
Wenn Sie den Fernseher einschalten, kann es möglicherweise etwas dauern, bis das CA-Modul aktiviert wird. Wenn ein CAM eingesetzt und das Abonnement bezahlt wurde, (wobei sich die Verbindungsmethoden unterscheiden können), können Sie die von der CAM Smart Card unterstützten verschlüsselten Sender ansehen.

Das CAM und die Smart Card sind ausschließlich für Ihren Fernseher vorgesehen. Wenn Sie das CAM entfernen, können Sie die vom CAM unterstützten verschlüsselten Sender nicht mehr ansehen.

6.3

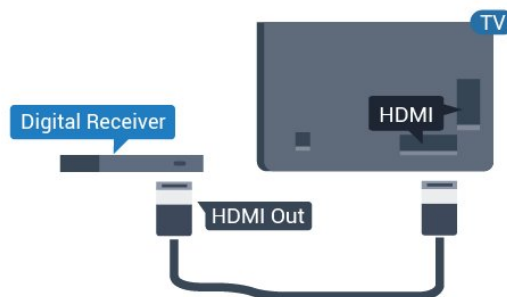
## Receiver – Set-Top-Box

Schließen Sie die Antenne mit zwei Antennenkabeln an die Set-Top-Box (einen Digitalreceiver) und den Fernseher an.



Zusätzlich zu den Antennenverbindungen benötigen Sie ein HDMI-Kabel zum Anschließen der Set-Top-

Box an den Fernseher.



6.4

## Home Entertainment-System – HES

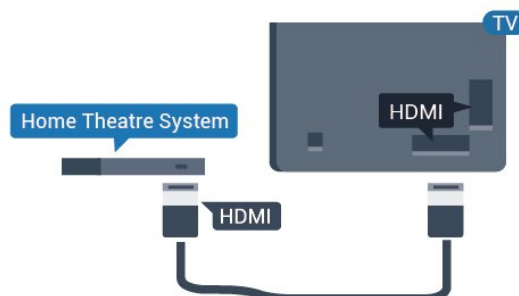
### Verbinden mit HDMI ARC

Schließen Sie ein Home Entertainment-System (HES) über ein HDMI-Kabel an den Fernseher an. Sie können einen Philips SoundBar oder ein HES mit einem integrierten Disc-Player anschließen.

#### HDMI ARC

Wenn Ihr Home Entertainment-System über einen HDMI ARC-Anschluss verfügt, können Sie einen beliebigen HDMI-Anschluss am Gerät zum Verbinden verwenden. Mit HDMI ARC müssen Sie kein separates Audiokabel anschließen. Über HDMI ARC werden sowohl Video- als auch Audiosignale übertragen.

Alle HDMI-Anschlüsse am Fernseher können das ARC-Signal (Audio Return Channel) übertragen. Sobald Sie das Home Entertainment-System angeschlossen haben, kann der Fernseher das ARC-Signal jedoch nur an diesen HDMI-Anschluss senden.



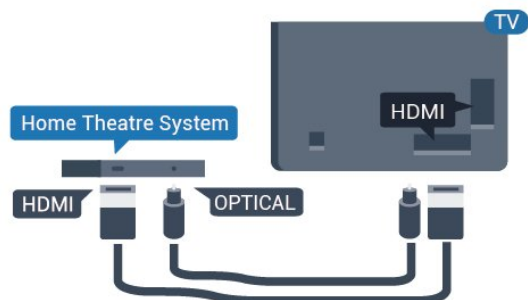
#### Audio-Video-Synchronisierung (Sync)

Wenn der Ton nicht dem Video auf dem Bildschirm entspricht, können Sie bei den meisten Home Entertainment-Systemen mit Disc-Player eine Verzögerung einstellen, um Ton und Video aneinander anzupassen.

## Verbinden mit HDMI

Schließen Sie ein Home Entertainment-System (HES) über ein HDMI-Kabel an den Fernseher an. Sie können einen Philips SoundBar oder ein HES mit einem integrierten Disc-Player anschließen.

Wenn das Home Entertainment-System keinen HDMI ARC-Anschluss aufweist, verwenden Sie ein optisches Audiokabel (Toslink), um den Ton des Fernsehers an das Home Entertainment-System zu übertragen.



### Audio-Video-Synchronisierung (Sync)

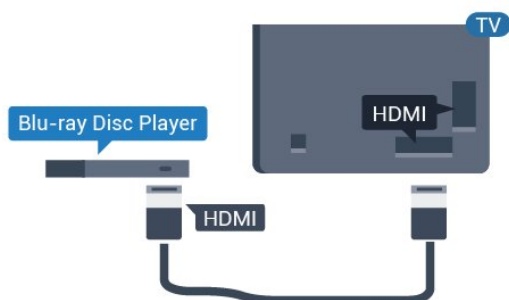
Wenn der Ton nicht dem Video auf dem Bildschirm entspricht, können Sie bei den meisten Home Entertainment-Systemen mit Disc-Player eine Verzögerung einstellen, um Ton und Video aneinander anzupassen.

\* nicht alle Fernseher unterstützen die optische Verbindungsfunktion (Toslink).

6.5

## Blu-ray Disc-Player


Verbinden Sie den Blu-ray Disc-Player über ein High Speed-HDMI-Kabel mit dem Fernseher.

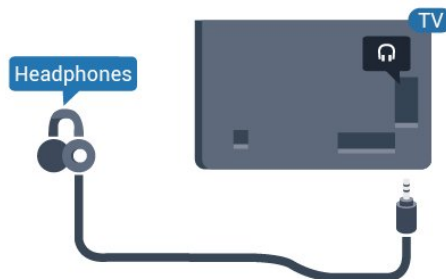


Wenn der Blu-ray Disc-Player über EasyLink HDMI-CEC verfügt, können Sie den Player mit der Fernbedienung des Fernsehers steuern.

6.6

## Kopfhörer

Sie können Kopfhörer an der Rückseite des Fernsehers am Anschluss  anschließen. Dies ist ein Anschluss für einen 3,5 mm Miniklinkenstecker. Sie können die Lautstärke der Kopfhörer getrennt einstellen.

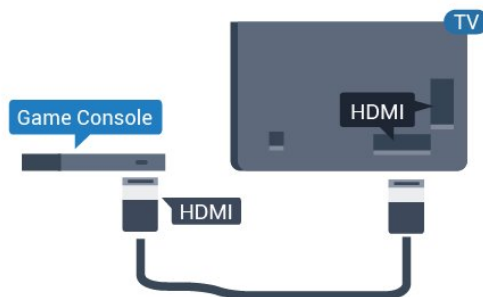


6.7

## Spielekonsole

### HDMI

Beste Qualität erzielen Sie, wenn Sie ein High Speed-HDMI-Kabel zum Anschließen der Spielkonsole an den Fernseher verwenden.



6.8

## USB-Flashlaufwerk

Sie können Fotos, Musik oder Videos von einem angeschlossenen USB-Flashlaufwerk wiedergeben.





Stecken Sie ein USB-Flashlaufwerk in einen der USB-Anschlüsse des eingeschalteten Fernsehers.








Der Fernseher erkennt das Flashlaufwerk und öffnet eine Liste mit dessen Inhalten.



Wenn die Inhaltsliste nicht automatisch angezeigt wird...

Profimodus AUS – Drücken Sie  /  Home und wählen Sie  Apps und dann  Quellen aus. Wählen Sie USB aus, und drücken Sie OK.

Profimodus EIN – Drücken Sie  /  Home und wählen Sie Fernsehsender  und dann  SOURCES aus. Wählen Sie USB aus, und drücken Sie OK.

Um die Wiedergabe der Inhalte auf dem USB-Flashlaufwerk zu beenden, drücken Sie , oder wählen Sie eine andere Aktivität aus.

Wenn Sie das USB-Flashlaufwerk vom Fernseher trennen möchten, können Sie es jederzeit herausziehen.

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6.9

## Computer

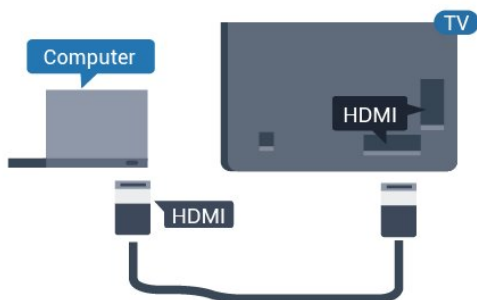
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### Verbinden

Sie können Ihren Computer an den Fernseher anschließen, und den Fernseher als Computerbildschirm verwenden.

#### Über HDMI

Verbinden Sie den Computer über ein HDMI-Kabel mit dem Fernseher.



---


## Ideale Einstellung

Bei der Verbindung eines Computers sollten Sie dem Anschluss, an den der Computer angeschlossen ist, den richtigen Gerätetyp im Menü "Quelle" zuzuweisen. Wenn Sie im Menü Quelle zu **Computer** wechseln, wird der Fernseher automatisch auf die ideale Computer-Einstellung eingestellt.


So legen Sie auf dem Fernseher die ideale Einstellung fest:

Profimodus AUS – Drücken Sie  /  Home. Drücken Sie , wählen

Sie **Einstellungen**, und drücken Sie OK.

Wählen Sie **Bild** aus, und drücken Sie  (rechts), um das Menü zu öffnen. Wählen Sie **Bildeinstellung** > **Computer**, und drücken Sie OK.

Wählen Sie **Ein** oder **Aus**, und drücken Sie OK.

Drücken Sie gegebenenfalls mehrmals , um das Menü zu schließen.

Profimodus EIN – Drücken

Sie  /  Home >  Mehr > 

**Einstellungen** >  **Bild**. Drücken Sie OK.

Wählen Sie **Bildeinstellung** > **Computer**, und drücken Sie OK.

Wählen Sie **Ein** oder **Aus**, und drücken Sie OK.

Drücken Sie gegebenenfalls mehrmals , um das Menü zu schließen.

(Informationen zum Profimodus finden Sie in der Installationsanleitung)

# Videos, Fotos und Musik

## Über eine USB-Verbindung

Sie können Ihre Fotos, Musik oder Videos von einem angeschlossenen USB-Flashlaufwerk oder eine USB-Festplatte wiedergeben.

Schließen Sie bei eingeschaltetem Fernseher ein USB-Flashlaufwerk oder eine USB-Festplatte an einen der USB-Anschlüsse an. Das Gerät wird vom Fernseher erkannt, und eine Liste Ihrer Mediendateien wird angezeigt.

Wenn die Liste der Dateien nicht automatisch angezeigt wird:

- 1 - Drücken Sie **≡** SENDER und wählen Sie **📺** Quellen.
- 2 - Wählen Sie **📺 Medien** und drücken Sie **OK**.
- 3 - Sie können Ihre Dateien in der Ordnerstruktur auf dem Laufwerk durchsuchen.
- 4 - Zum Stoppen der Wiedergabe von Videos, Fotos und Musik drücken Sie **🔍**.

## Wiedergeben Ihrer Videos

### Wiedergeben von Videos

#### Öffnen eines Videoordners

- 1 - Drücken Sie **≡** SENDER und wählen Sie **📺** Quellen.
- 2 - Wählen Sie **📺 Medien** und **📺 Videos**, und drücken Sie dann **OK**.

Um zurück zum Ordner zu wechseln, drücken Sie **←**

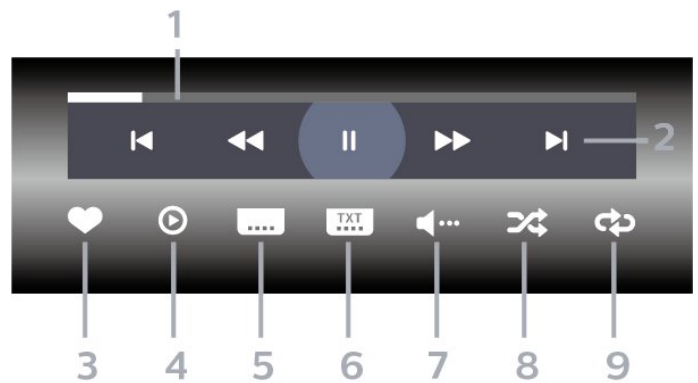
#### Wiedergeben eines Videos

- 1 - Drücken Sie **≡** SENDER und wählen Sie **📺** Quellen.
- 2 - Wählen Sie **📺 Medien** und **📺 Videos**, und drücken Sie dann **OK**.
- 3 - Wählen Sie eines der Videos aus. Durch Drücken von **🔴** Alle wiedergeben können Sie alle Dateien im Ordner wiedergeben, oder drücken Sie **🟢** Als Favoriten markieren, um das ausgewählte Video zum Favoritenmenü hinzuzufügen – **❤️ Favoriten**.

Um das Video zu unterbrechen, drücken Sie **OK**. Drücken Sie **OK** erneut, um die Wiedergabe fortzusetzen.

#### Steuerleiste

Um die Steuerleiste ein- oder auszublenden, wenn ein Video abgespielt wird, drücken Sie **OK**.



- 1 - Fortschrittsanzeige
- 2 - Steuerleiste für die Wiedergabe
  - ◀: Zum vorherigen Video in einem Ordner springen
  - ▶: Zum nächsten Video in einem Ordner springen
  - ◀◀: Rücklauf
  - ▶▶: Schnellvorlauf
  - ⏸: Pausieren der Wiedergabe
- 3 - Als Favorit markieren
- 4 - Wiedergeben aller Videos
- 5 - Untertitel: Ein- oder Ausschalten der Untertitel und Aus- oder Einschalten der Untertitel bei einer Tonunterbrechung
- 6 - Untertitelsprache: Wählen Sie eine Untertitelsprache aus (nicht verfügbar für den Profimodus EIN).
- 7 - Audiosprache: Auswählen einer Audiosprache
- 8 - Zufallswiedergabe: Wiedergeben Ihrer Dateien in zufälliger Reihenfolge
- 9 - Wiederholen: Einmaliges oder wiederholtes Wiedergeben aller Videos in diesem Ordner

## Videooptionen

Drücken Sie während der Videowiedergabe **⊕ OPTIONS**, wählen Sie **Info**, und drücken Sie **OK**, um...

- **Als Favorit markieren** – Die ausgewählten Videos werden als Favorit eingerichtet.
- **Alle wdg.** – Alle Videodateien in diesem Ordner werden wiedergegeben.
- **Untertitel** – Für die Untertitel können Sie die Einstellungen **Ein**, **Aus** oder **Ein + Tonunterbrechung** festlegen.
- **Audiosprache** – Wählen Sie, sofern verfügbar, eine Audiosprache aus.
- **Shuffle** – Ihre Dateien werden in zufälliger Reihenfolge wiedergegeben.
- **Wiederholen** – Alle Videos in diesem Ordner werden einmal oder wiederholt wiedergegeben.

## Anzeigen Ihrer Fotos

### Anzeigen von Fotos

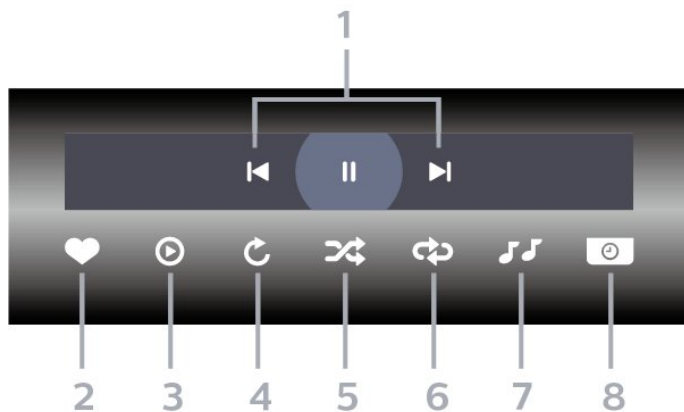
#### Öffnen eines Fotoordners

- 1 - Drücken Sie CHANNELS und wählen Sie Quellen.
- 2 - Wählen Sie Medien und dann Fotos aus, und drücken Sie **OK**.

#### Anzeigen von Fotos

- 1 - Drücken Sie SENDER und wählen Sie Quellen.
- 2 - Wählen Sie Medien und dann Fotos aus, und drücken Sie **OK**.
- 3 - Wählen Sie Fotos aus, und wählen Sie eines der Fotos aus. Durch Drücken von Diashow können Sie alle Dateien im Ordner wiedergeben, oder drücken Sie Favorit markieren, um das ausgewählte Foto zum Favoritenmenü hinzuzufügen
- Favoriten.

#### Steuerleiste



- 1 - Steuerleiste für die Wiedergabe
  - : Zum vorherigen Foto in einem Ordner springen
  - : Zum nächsten Foto in einem Ordner springen
  - : Pausieren der Diashow-Wiedergabe
- 2 - Als Favorit markieren
- 3 - Starten einer Diashow
- 4 - Drehen des Fotos
- 5 - Zufallswiedergabe: Wiedergeben Ihrer Dateien in zufälliger Reihenfolge
- 6 - Wiederholen: Einmaliges oder wiederholtes Wiedergeben aller Fotos in diesem Ordner
- 7 - Beenden der Musikwiedergabe im Hintergrund (nicht verfügbar im Profimodus EIN)
- 8 - Bestimmen der Geschwindigkeit der Diashow

## Fotooptionen

Drücken Sie während der Videowiedergabe OPTIONS, wählen Sie **Info** und drücken Sie **OK**, um...

- Als Favorit markieren
- Starten einer Diashow
- Drehen des Fotos
- Zufallswiedergabe: Wiedergeben Ihrer Dateien in zufälliger Reihenfolge
- Wiederholen: Einmaliges oder wiederholtes Wiedergeben aller Fotos in diesem Ordner
- Beenden der Musikwiedergabe im Hintergrund (nicht verfügbar im Profimodus EIN)
- Bestimmen der Geschwindigkeit der Diashow

## Wiedergeben Ihrer Musik

### Geben Sie Musik wieder

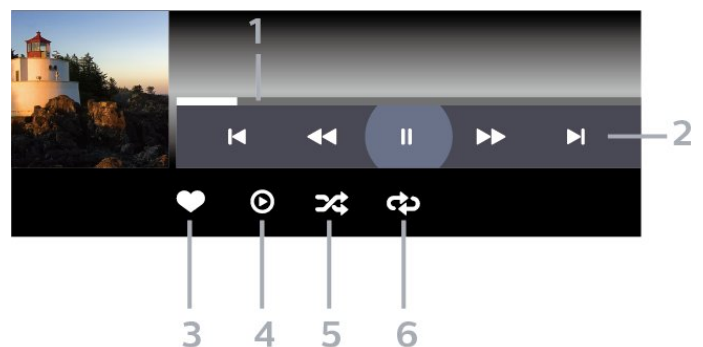
#### Musikordner öffnen

- 1 - Drücken Sie CHANNELS und wählen Sie Quellen.
- 2 - Wählen Sie Medien und Musik, und drücken Sie dann **OK**.

#### Musik wiedergeben

- 1 - Drücken Sie CHANNELS und wählen Sie Quellen.
- 2 - Wählen Sie Medien und Musik, und drücken Sie dann **OK**.
- 3 - Sie können durch Drücken von Favorit markieren den Musikordner zum Favoritenmenü hinzufügen - Favoriten.
- 4 - Über die Klassifizierung können Sie Musiktitel ganz einfach finden: Genres, Künstler, Alben, Tracks.

#### Steuerleiste



- 1 - Fortschrittsanzeige
- 2 - Steuerleiste für die Wiedergabe
  - : Zum vorherigen Musiktitel in einem Ordner

springen

- ►: Zum nächsten Musiktitel in einem Ordner

springen

◄◄: Rücklauf

►►: Schnellvorlauf

||: Pausieren der Wiedergabe

3 - Als Favorit markieren

4 - Wiedergeben aller Musiktitel

5 - Zufallswiedergabe: Wiedergeben Ihrer Dateien in zufälliger Reihenfolge

6 - Wiederholen: Einmaliges oder wiederholtes Wiedergeben aller Musiktitel in diesem Ordner

---

## Musikoptionen

Drücken Sie während der Musikwiedergabe auf **+** **OPTIONS**, und wählen Sie **Info** gefolgt von **OK**, um...

- Als Favorit markieren

- Wiedergeben aller Musiktitel

- Zufallswiedergabe: Wiedergeben Ihrer Dateien in zufälliger Reihenfolge

- Wiederholen: Einmaliges oder wiederholtes

Wiedergeben aller Musiktitel in diesem Ordner


# TV-Guide

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## Verwenden des TV-Guide

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### Öffnen des TV-Guide

Um den TV-Guide zu öffnen, drücken Sie  **TV-GUIDE** . Der TV-Guide zeigt die Sender des ausgewählten Tuners an.

Drücken Sie zum Beenden erneut  **TV GUIDE** .

Wenn Sie den TV-Guide das erste Mal öffnen, durchsucht der Fernseher alle Sender nach Programminformationen. Dies kann einige Minuten dauern. Die Daten des TV-Guide werden auf dem Fernseher gespeichert.




# Spiele

## Spiele



### Von einer Spielkonsole


So starten Sie ein Spiel über eine Spielkonsole:

Schalten Sie die Spielkonsole ein.

Profimodus AUS – Drücken Sie  /  Home und wählen Sie  Apps aus. Wählen Sie Quellen, und drücken Sie OK.



Starten Sie das Spiel.


Drücken Sie wiederholt  BACK oder drücken Sie  EXIT, oder beenden Sie die App mit der zugehörigen Schaltfläche zum Beenden/Stoppen.

Drücken Sie zur Anzeige weiterer Informationen zum Verbinden einer Spielkonsole in der **Hilfe** die Farbtaste  Suchbegriffe , und öffnen Sie **Spielkonsole, Anschließen**.

Profimodus EIN – Drücken Sie  SOURCES und wählen Sie eine Spielekonsole oder den Namen der Verbindung.


Starten Sie das Spiel.

Drücken Sie wiederholt  BACK oder drücken Sie  EXIT, oder beenden Sie die App mit der zugehörigen Schaltfläche zum Beenden/Stoppen.



Drücken Sie zur Anzeige weiterer Informationen zum Verbinden einer Spielkonsole in der **Hilfe** die Farbtaste  Suchbegriffe , und öffnen Sie **Spielkonsole, Anschließen**.

### Durch Apps

So starten Sie ein Spiel über eine Spiele-App:

Profimodus Aus – Drücken Sie  /  Home und wählen Sie  Apps gefolgt von Google Play Games aus.



Melden Sie sich bei Ihrem Google-Konto an, und starten Sie ein Spiel.

Drücken Sie wiederholt  BACK, oder drücken Sie  EXIT, oder beenden Sie die App mit der zugehörigen Schaltfläche zum Beenden/Stoppen.

Profimodus EIN – Drücken Sie  /  Home. Wählen Sie  Spiele.

Melden Sie sich bei Ihrem Google-Konto an, und

starten Sie ein Spiel.

Drücken Sie wiederholt  BACK, oder drücken Sie  EXIT, oder beenden Sie die App mit der zugehörigen Schaltfläche zum Beenden/Stoppen.

# Professional-Menü-App






## Info zur Professional-Menü-App

In der Professional-Menü-App können Sie alle Aktivitäten starten, die sich über den Fernseher ausführen lassen.

Der linke Teil der Professional-Menü-App ist in Zeilen organisiert...

- Empfohlen 
- Fernsehsender 
- Cast 
- Apps 
- Spiele 
- Mehr 



Der obere rechte Teil der Professional-Menü-App ist in Zeilen angeordnet.

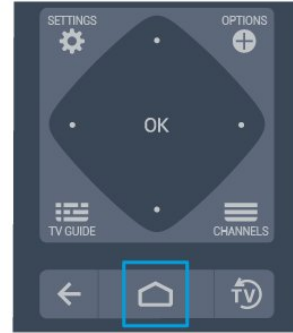
- Konto verwalten
- Nachrichten  (Dies ist eine optionale Funktion, die von den internen Einstellungen des Hotels abhängig ist.)
- Rechnung  (Dies ist eine optionale Funktion, die von den internen Einstellungen des Hotels abhängig ist.)
- Einstellen des Alarms 
- Wetter 
- Menüsprache 
- Aktuelle Zeit

## Professional-Menü-App öffnen

Profimodus AUS – Siehe Kapitel "Android TV-Startbildschirm".

Profimodus EIN – Zum Öffnen der Professional-Menü-App und Öffnen eines Elements...




- 1 – Öffnen Sie die Professional-Menü-App durch Drücken von Home  / .
- 2 – Wählen Sie mit den Pfeiltasten eine Aktivität aus, und drücken Sie **OK**, um die Aktivität zu starten.
- 3 – Um die Professional-Menü-App ohne Änderung der aktuellen Aktivität zu schließen, drücken Sie **←**.



Wenn Sie die Professional-Menü-App öffnen, wird die im Hintergrund ausgeführte Anwendung/Inhaltswiedergabe angehalten. Wählen Sie zum Fortsetzen die Anwendung bzw. den Inhalt über die Professional-Menü-App aus.

## Empfohlen

So öffnen Sie die Professional-Menü-App und den Befehl Empfohlen...

- 1 – Öffnen Sie die Professional-Menü-App.
- 2 – Wählen Sie **Empfohlen** , und drücken Sie **OK**, um es zu öffnen oder zu starten.
- 3 – Wählen Sie  Empfohlene Fernsehsender. Wählen Sie einen Sender aus der Liste und drücken Sie **OK**.
- 4 – Wählen Sie  Apps. Wählen Sie aus der Liste eine App und drücken Sie die Taste **OK**.

## Fernsehsender

### Senderlisten

#### Informationen zu Senderlisten

Nach der Senderinstallation werden alle Sender in der Senderliste angezeigt. Sender werden mit Name und Logo angezeigt, sofern diese Informationen verfügbar sind.







Wenn eine Senderliste ausgewählt ist, können Sie mit den Pfeiltasten **▲** (nach oben) oder **▼** (nach unten) einen Sender auswählen. Drücken Sie dann **OK**, um den ausgewählten Sender anzusehen. Sie können mit den Tasten **≡ +** oder **≡ -** nur die in dieser Liste enthaltenen Sender einschalten.

## Radiosender

Wenn digitale Sendungen verfügbar sind, werden während der Installation auch digitale Radiosender installiert. Sie können wie bei Fernsehprogrammen zwischen Radiosendern wechseln.


### Öffnen einer Senderliste

So öffnen Sie die aktuelle Senderliste:

1. Drücken Sie , um zum Fernsehen zu wechseln.
2. Drücken Sie  CHANNELS, um die aktuelle Senderliste zu öffnen. Wählen Sie  Alle Sender, um sowohl Fernseh- als auch Radiosender anzuzeigen. Wählen Sie , um nur TV-Sender anzuzeigen. Wählen Sie , um nur Radiosender anzuzeigen.
3. Drücken Sie  CHANNELS erneut, um die Senderliste zu schließen.

## Anzeigen von Sendern


### Einschalten eines Senders

Um Fernsehsender anzuzeigen, drücken Sie . Der Fernseher schaltet automatisch auf den Sender, den Sie zuletzt gesehen haben.


### Umschalten der Sender

– Um zwischen den Sendern umzuschalten, drücken Sie  + oder  –.

### Vorheriger Sender

– Wenn Sie zurück zum zuvor wiedergegebenen Sender wechseln möchten, drücken Sie  BACK.

### Senderliste

Drücken Sie beim Fernsehen die Taste , um die Senderliste zu öffnen.

## Senderoptionen

### Öffnen der Optionen

Beim Fernsehen können Sie einige Optionen festlegen.

Je nach Art des wiedergegebenen Senders (analog oder digital) bzw. je nach Fernseheneinstellungen stehen unterschiedliche Optionen zur Verfügung.

So öffnen Sie das Optionsmenü:

- 1 – Drücken Sie während der Senderwiedergabe  OPTIONS.
- 2 – Drücken Sie zum Beenden erneut  OPTIONS.





10.5

## Fernsehsender

### Senderlisten

#### Informationen zu Senderlisten

Nach der Senderinstallation werden alle Sender in der Senderliste angezeigt. Sender werden mit Name und Logo angezeigt, sofern diese Informationen verfügbar sind.







Wenn eine Senderliste ausgewählt ist, können Sie mit den Pfeiltasten  (nach oben) oder  (nach unten) einen Sender auswählen. Drücken Sie dann OK, um den ausgewählten Sender anzusehen. Sie können mit den Tasten  + oder  – nur die in dieser Liste enthaltenen Sender einschalten.

### Radiosender

Wenn digitale Sendungen verfügbar sind, werden während der Installation auch digitale Radiosender installiert. Sie können wie bei Fernsehprogrammen zwischen Radiosendern wechseln.


### Öffnen einer Senderliste

So öffnen Sie die aktuelle Senderliste:

1. Drücken Sie , um zum Fernsehen zu wechseln.
2. Drücken Sie  CHANNELS, um die aktuelle Senderliste zu öffnen. Wählen Sie  Alle Sender, um sowohl Fernseh- als auch Radiosender anzuzeigen. Wählen Sie , um nur TV-Sender anzuzeigen. Wählen Sie , um nur Radiosender anzuzeigen.
3. Drücken Sie  CHANNELS erneut, um die Senderliste zu schließen.

## Anzeigen von Sendern

### Einschalten eines Senders

Um Fernsehsender anzuzeigen, drücken Sie . Der Fernseher schaltet automatisch auf den Sender, den Sie zuletzt gesehen haben.

### Umschalten der Sender

– Um zwischen den Sendern umzuschalten, drücken Sie  + oder  –.

### Vorheriger Sender

Wenn Sie zurück zum zuvor wiedergegebenen Sender wechseln möchten, drücken Sie  BACK.

### Senderliste



Drücken Sie beim Fernsehen die Taste , um die Senderliste zu öffnen.

---

## Senderoptionen

---

### Öffnen der Optionen

Beim Fernsehen können Sie einige Optionen festlegen.

Je nach Art des wiedergegebenen Senders (analog oder digital) bzw. je nach Fernsehereinstellungen stehen unterschiedliche Optionen zur Verfügung.

So öffnen Sie das Optionsmenü:

- 1 – Drücken Sie während der Senderwiedergabe  **OPTIONS**.
- 2 – Drücken Sie zum Beenden erneut  **OPTIONS**.

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10.6

## Google Cast

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### Was Sie benötigen

Wenn eine Anwendung auf Ihrem Mobilgerät über Google Cast verfügt, können Sie Ihre App auf diesem Fernseher wiedergeben. Suchen Sie in der mobilen App nach dem Google Cast-Symbol. Sie können mit Ihrem Mobilgerät steuern, was auf dem Fernseher angezeigt werden soll. Google Cast funktioniert unter Android und iOS.

Ihr Mobilgerät muss mit dem gleichen WiFi-Heimnetzwerk wie Ihr Fernseher verbunden sein.

### Apps mit Google Cast

Neue Google Cast-Apps erscheinen täglich. Sie können diese Funktion bereits mit YouTube, Chrome, Netflix, Photowall ... oder Big Web Quiz für Chromecast ausprobieren. Siehe auch: [google.com/cast](http://google.com/cast)

Einige Google Play-Produkte und -Funktionen sind nicht in allen Ländern verfügbar.

Weitere Informationen finden Sie unter [support.google.com/androidtv](http://support.google.com/androidtv)

---

## Wiedergeben von Inhalten auf dem Fernseher

So geben Sie eine App auf dem Fernsehbildschirm wieder:

So öffnen Sie die Professional-Menü-App und den Befehl Cast...

- 1 – Öffnen Sie die Professional-Menü-App.

2 – Wählen Sie **Cast** , und drücken Sie **OK**, um es zu öffnen oder zu starten.

3 – Verbinden Sie das Smartphone über Wi-Fi Direct mit dem Fernseher (scannen Sie den QR-Code oder verwenden Sie die WiFi-SSID und das Passwort). Öffnen Sie eine App, die Google Cast unterstützt.

4 – Tippen Sie auf das Google Cast-Symbol.

5 – Wählen Sie den Fernseher aus, auf dem Sie die Wiedergabe durchführen möchten.

6 – Drücken Sie auf Ihrem Smartphone oder Tablet "Wiedergabe". Ihre Auswahl sollte nun auf dem Fernseher wiedergegeben werden.

---

10.7

## Spiele

So öffnen Sie die Professional-Menü-App und die Spiele...

1 – Drücken Sie  /  Home, um die Professional-Menü-App zu öffnen.

2 – Wählen Sie **Spiele** , und drücken Sie **OK**.







### Ideale Spieleinstellung

Für einige Spiele, bei denen Geschwindigkeit und Präzision wichtig sind, können Sie den Fernseher vor Beginn des Spiels mit den idealen Einstellungen für **Spiele** einrichten.

Wenn Ihre Spielkonsole als Gerät des Typs **Spiel** im Quellenmenü (Liste aller Anschlüsse) hinzugefügt wurde, werden am Fernseher automatisch die idealen Spieleinstellungen vorgenommen.

Wenn für die Spielkonsole der Typ **Player** festgelegt wurde und Sie sie die meiste Zeit als Disc-Player verwenden, sollten Sie die Einstellung **Player** nicht ändern.

So stellen Sie die idealen Einstellungen manuell auf dem Fernseher ein: . .

- 1 – Wählen Sie  /  Home >  Mehr >  Einstellungen >  Bild > Bildeinstellung.
- 2 – Wählen Sie **Spiel**, und drücken Sie die Taste **OK**.
- 3 – Drücken Sie gegebenenfalls mehrmals , um das Menü zu beenden. Achten Sie darauf, die Einstellung "Spiel" oder "Computer" wieder auf Aus zu setzen, wenn Sie mit dem Spielen fertig sind.


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10.8

## Mehr

So öffnen Sie die Professional-Menü-App und Mehr...

1 – Öffnen Sie die Professional-Menü-App.

2 – Wählen Sie  Mehr aus, und drücken Sie **OK**, um es zu öffnen oder zu starten.

3 – Wählen Sie  Einstellungen.

• Bild :

Wechseln Sie zwischen den Bildvoreinstellungen. Es gibt ideale Einstellungen für die Wiedergabe von Filmen oder Fotos usw.

• Ton :

Wechselt zwischen den voreingestellten Toneinstellungen. Es gibt ideale Einstellungen für Filme, Musik oder Spiele.

• Bildformat :


Wählen Sie für den Bildschirm ein passendes Bildformat aus.


• Menüsprache :

Wählen Sie Ihre Sprache aus, und drücken Sie OK.

4 – Wählen Sie  Funktionen, und drücken Sie OK.


• Einstellen des Alarms :

Am Fernseher kann ein Alarm eingestellt werden. Der Fernseher kann sich zu einer festgelegten Weckzeit einschalten. Legen Sie alternativ die Alarmzeit fest, indem Sie die Taste  auf der Fernbedienung drücken.


• Sleep-Timer :


Mit dem Schieberegler können Sie den Sleptimer in Schritten von 5 Minuten auf bis zu 180 Minuten einstellen. Wenn Sie ihn auf 0 Minuten einstellen, ist der Sleptimer ausgeschaltet. Sie können den Fernseher jederzeit früher ausschalten oder die Zeit während des Countdowns zurücksetzen.

• Wetter :

Anzeige der beobachteten Temperatur, enthält 5-Tages-Wettervorhersage für den aktuellen Standort. Legen Sie alternativ die Alarmzeit fest, indem Sie die Taste  auf der Fernbedienung drücken.

5 – Wählen Sie **Persönlich** , und drücken Sie OK.

• Rechnung : Der Hotelgast kann während seines Aufenthalts seine Hotelrechnung einsehen. (Nur im Profimodus EIN.)

• Nachrichten :

Gäste werden benachrichtigt, wenn neue Nachrichten vom Hotel auf dem Fernseher eingehen. (Nur im Profimodus EIN.)

• Nachrichtenanzeige :

Anzeige von Benachrichtigungen ändern. (Nur im Profimodus EIN.)

• Konto verwalten :

Stellen Sie bei der Anmeldung beim Google-Konto über Telefon oder Laptop sicher, dass das Telefon oder der Laptop mit demselben Netzwerk wie der Fernseher verbunden ist, und geben Sie dann den auf dem Fernseher angezeigten Code ein, um die Anmeldung abzuschließen. Der Gast kann sich auch mit der E-Mail-Adresse und dem Passwort eines Google-Kontos anmelden.

• Verlauf löschen :

Löschen aller persönliche Anmeldedaten von allen Anwendungen (beim Auschecken aus dem Hotel

werden alle Daten automatisch gelöscht, nur im Profimodus EIN)

---

10.9

## Mehr

So öffnen Sie die Professional-Menü-App und Mehr...


1 – Öffnen Sie die Professional-Menü-App.

2 – Wählen Sie **•••** Mehr aus, und drücken Sie **OK**, um es zu öffnen oder zu starten.

3 – Wählen Sie  Einstellungen.

• Bild :


Wechseln Sie zwischen den Bildvoreinstellungen. Es gibt ideale Einstellungen für die Wiedergabe von Filmen oder Fotos usw.

• Ton :

Wechselt zwischen den voreingestellten Toneinstellungen. Es gibt ideale Einstellungen für Filme, Musik oder Spiele.

• Bildformat :


Wählen Sie für den Bildschirm ein passendes Bildformat aus.


• Menüsprache :

Wählen Sie Ihre Sprache aus, und drücken Sie OK.

4 – Wählen Sie  Funktionen, und drücken Sie OK.


• Einstellen des Alarms :

Am Fernseher kann ein Alarm eingestellt werden. Der Fernseher kann sich zu einer festgelegten Weckzeit einschalten. Legen Sie alternativ die Alarmzeit fest, indem Sie die Taste  auf der Fernbedienung drücken.

• Sleep-Timer :


Mit dem Schieberegler können Sie den Sleptimer in Schritten von 5 Minuten auf bis zu 180 Minuten einstellen. Wenn Sie ihn auf 0 Minuten einstellen, ist der Sleptimer ausgeschaltet. Sie können den Fernseher jederzeit früher ausschalten oder die Zeit während des Countdowns zurücksetzen.

• Wetter :

Anzeige der beobachteten Temperatur, enthält 5-Tages-Wettervorhersage für den aktuellen Standort. Legen Sie alternativ die Alarmzeit fest, indem Sie die Taste  auf der Fernbedienung drücken.




• TV-Guide:

Stellen Sie den Fernseher so ein, dass die TV-Guide-Daten entweder vom Sender oder aus dem Internet bezogen werden.

• TalkBack :

TalkBack hilft sehbehinderten Benutzern bei der Interaktion und Nutzung dieses Fernsehers, indem eine Stimme beschreibt, was auf dem Bildschirm angezeigt wird.

5 – Wählen Sie **Persönlich** , und drücken Sie OK.

- Rechnung : Der Hotelgast kann während seines Aufenthalts seine Hotelrechnung einsehen. (Nur im Profimodus EIN.)
- Nachrichten :  
Gäste werden benachrichtigt, wenn neue Nachrichten vom Hotel auf dem Fernseher eingehen. (Nur im Profimodus EIN.)
- Nachrichtenanzeige :  
Anzeige von Benachrichtigungen ändern. (Nur im Profimodus EIN.)
- Konto verwalten :  
Stellen Sie bei der Anmeldung beim Google-Konto über Telefon oder Laptop sicher, dass das Telefon oder der Laptop mit demselben Netzwerk wie der Fernseher verbunden ist, und geben Sie dann den auf dem Fernseher angezeigten Code ein, um die Anmeldung abzuschließen. Der Gast kann sich auch mit der E-Mail-Adresse und dem Passwort eines Google-Kontos anmelden.
- Verlauf löschen :  
Löschen aller persönliche Anmeldedaten von allen Anwendungen (beim Auschecken aus dem Hotel werden alle Daten automatisch gelöscht, nur im Profimodus EIN)

10.10


## Professional Settings

### Bildeinstellung

#### Auswählen einer Einstellung

Drücken Sie  /  Home >  Mehr >  Einstellungen >  Bild > Bildeinstellung.

Zur einfachen Anpassung des Bildes können Sie eine vordefinierte Bildeinstellung auswählen.

- Persönlich – Die Bildoptionen, die Sie beim ersten Öffnen ausgewählt haben.
- Lebhaft – Ideal für die Wiedergabe bei Tageslicht
- Natürlich – Natürliche Bildeinstellungen
-  Standard – Die energieeffizienteste Einstellung – Werksvoreinstellung
- Film – Ideal für die Wiedergabe von Filmen
- Spiel – Ideal für Spiele
- Computer – Ideal für den Anschluss an den Computer

### Bildformat

#### Bildformat wählen

Wenn das Bild nicht den gesamten Bildschirm ausfüllt, wenn schwarze Streifen oben oder unten oder an den Seiten angezeigt werden, können Sie das Bild so anpassen, dass der Bildschirm vollständig ausgefüllt wird.

So wählen Sie eine der Basiseinstellungen zum Ausfüllen des Bildschirms aus:

Drücken Sie  /  Home >  Mehr >  Einstellungen >  Bildformat.

Die folgenden Formate stehen je nach Bild auf dem Bildschirm zur Verfügung.

- • Breitbild
- Bildschirm ausfüllen
- Vollbild
- • Nicht skaliert

### Toneinstellung

#### Auswählen einer Einstellung

Drücken Sie  /  Home >  Mehr >  Einstellungen >  Ton > Toneinstellung.

Zur einfachen Anpassung des Tons können Sie über "Toneinstellung" eine vordefinierte Einstellung auswählen.

- Persönlich – Ihre persönliche Auswahl, die Sie unter "Bild + Ton personalisieren" getroffen haben
- Original – Die neutralste Toneinstellung
- Film – Ideal für die Wiedergabe von Filmen
- Musik – Ideal für die Wiedergabe von Musik
- Spiel – Ideal für Spiele
- Nachrichten – Ideal für Nachrichten/Dokumentationen

### Sprache




Ändern der Sprache des TV-Menüs und der Meldungen

Drücken Sie  /  Home >  Mehr >  Einstellungen >  Menüsprache.

Wählen Sie Ihre Sprache aus, und drücken Sie OK.




### Energiespareinstellungen



Ausschalten des Bildschirms, um Energie zu sparen

Drücken Sie  /  Home >  Mehr >  Funktionen >  Sleep-Timer > Bild ausgeschaltet.

Wenn Sie auf Ihrem Fernseher nur Musik hören, können Sie den Fernsehbildschirm ausschalten. Nur der Fernsehbildschirm wird ausgeschaltet. Um den Bildschirm wieder einzuschalten, drücken Sie eine beliebige Taste der Fernbedienung.

#### Einstellen des Ausschalt-Timers

Drücken Sie  /  Home >  Mehr  
>  Funktionen >  Sleep-Timer > Sleep-Timer.

Drücken Sie den Pfeil  (nach oben) oder  (nach unten), um den Wert anzupassen. Beim Wert 0 (Aus) wird das automatische Ausschalten deaktiviert.

Wenn Sie "Ausschalt-Timer" auswählen, schaltet sich der Fernseher automatisch aus, um Energie zu sparen.

\* Der Fernseher schaltet sich aus, wenn ein Fernsehsignal empfangen wird, Sie aber innerhalb von vier Stunden keine Taste auf der Fernbedienung drücken.

\* Der Fernseher schaltet sich aus, wenn kein Fernsehsignal empfangen wird und innerhalb von 10 Minuten keine Taste auf der Fernbedienung gedrückt wird.

\* Wenn Sie den Fernseher als Monitor nutzen oder zum Fernsehen einen Digitalreceiver verwenden (eine Set-Top-Box, STB) und die Fernbedienung des Fernsehers nicht zum Einsatz kommt, deaktivieren Sie das automatische Ausschalten, indem Sie den Wert auf 0 setzen.

die Bildschirmtastatur Ihre E-Mail-Adresse und Ihr Passwort ein, und drücken Sie zum Anmelden dieselbe **OK**-Taste.

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10.11

## Google-Konto

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### Anmelden

Um alle Funktionen Ihres Philips Android TV zu genießen, können Sie sich mit Ihrem Google-Konto bei Google anmelden.

Durch die Anmeldung können Sie Ihre Lieblingsspiele auf dem Telefon, Tablet und Fernseher spielen. Sie erhalten außerdem auf dem TV-Startbildschirm maßgeschneiderte Video- und Musikempfehlungen sowie Zugriff auf YouTube, Google Play und andere Apps.

Verwenden Sie Ihr bestehendes **Google-Konto**, um sich auf Ihrem Fernseher bei Google anzumelden. Ein Google-Konto besteht aus einer E-Mail-Adresse und einem Kennwort. Wenn Sie noch kein Google Konto haben, verwenden Sie Ihren Computer oder Ihr Tablet, um eines zu erstellen ([accounts.google.com](https://accounts.google.com)). Wenn Sie sich bei der Ersteinrichtung des Fernsehers nicht angemeldet haben, können Sie das jederzeit später nachholen.

### Anmelden

Drücken Sie  /  > Öffnen Sie den Bildschirm der Professional-Menü-App.

Wählen Sie oben rechts im Bildschirm der Professional-Menü-App die Option "Konto verwalten" aus, und drücken Sie **OK**. Geben Sie über

# Android TV-Home-Bildschirm

## 11.1

## Informationen zum Android TV-Home-Bildschirm

Um von allen Vorteilen, die Ihr Android-Fernseher bietet, profitieren zu können, ist eine Verbindung des Fernsehers mit dem Internet erforderlich.

Wie auf Ihrem Android-Smartphone oder -Tablet ist der Startbildschirm die Steuerzentrale des Fernsehers. Über den Startbildschirm können Sie entscheiden, was Sie sehen möchten, indem Sie Unterhaltungsmöglichkeiten in der App und im Live-TV durchsuchen. Ihre Startseite verfügt über Sender, mit denen Sie tolle Inhalte aus Ihren Lieblings-Apps entdecken können. Sie können auch weitere Kanäle hinzufügen oder neue Apps suchen, um noch mehr Inhalte zu nutzen.

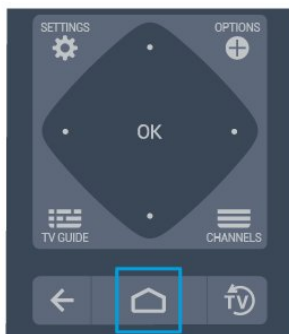
## 11.2

## Öffnen des Android TV-Home-Bildschirms

Profimodus EIN – siehe Installationshandbuch.

Profimodus AUS – So öffnen Sie den Android TV-Home-Bildschirm und öffnen ein Element...

- 1 – Drücken Sie die Taste Menü, navigieren Sie zu "Philips Collection", und drücken Sie dann OK.
- 2 – Wählen Sie mit den Pfeiltasten eine Aktivität aus, und drücken Sie OK, um die Aktivität zu starten.
- 3 – Um das die Home-Menü ohne Änderung der aktuellen Aktivität zu schließen, drücken Sie ↩.



Wenn Sie den Android TV-Home-Bildschirm öffnen, wird die im Hintergrund ausgeführte Anwendung/Inhaltswiedergabe angehalten. Wählen Sie zum Fortsetzen die Anwendung bzw. den Inhalt über den Android TV-Home-Bildschirm aus.

## 11.3

## Android-TV-Einstellungen

### Bild

#### Bildeinstellungen

##### Bildeinstellung

##### Auswählen einer Einstellung

Drücken Sie / > Einstellungen > Bild > Bildeinstellung.

Zur einfachen Anpassung des Bildes können Sie eine vordefinierte Bildeinstellung auswählen.

- Persönlich – Die Bildoptionen, die Sie beim ersten Öffnen ausgewählt haben.
- Lebhaft – Ideal für die Wiedergabe bei Tageslicht
- Natürlich – Natürliche Bildeinstellungen
- Standard – Die energieeffizienteste Einstellung – Werksvoreinstellung
- Film – Ideal für die Wiedergabe von Filmen
- Spiel – Ideal für Spiele
- Computer – Ideal für den Anschluss an den Computer

#### Farbe, Kontrast, Schärfe, Helligkeit

##### Anpassen der Bildfarbe

Drücken Sie / Home > Einstellungen > Bild > Farbe.

Drücken Sie die Pfeiltasten (nach oben) oder (nach unten), um den Wert der Farbsättigung des Bilds anzupassen.

##### Anpassen des Bildkontrasts

Drücken Sie / Home > Einstellungen > Bild > Kontrast. Drücken Sie die Pfeiltasten (nach oben) oder (nach unten), um den Kontrastwert des Bilds anzupassen.

Wenn Sie den Kontrastwert verringern, wird weniger Energie verbraucht.



##### Anpassen der Bildschärfe

Drücken Sie / Home > Einstellungen > Bild > Schärfe.

Drücken Sie den Pfeil (nach oben) oder (nach unten), um den Schärfewert des Bilds anzupassen.

## Helligkeit einstellen

Drücken Sie  /  Home >  Einstellungen > Bild > Helligkeit.

Drücken Sie den Pfeil  (nach oben) oder  (nach unten), um den Wert für die Helligkeit des Bildsignals anzupassen.

Hinweis: Wenn Sie die Helligkeit stark abweichend vom Referenzwert (50) einstellen, ergibt sich möglicherweise ein geringerer Kontrast.

---

## Erweiterte Bildeinstellungen




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### Farbeinstellungen

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#### Erweiterte Farbeinstellungen

##### Anpassen der Farboptimierung

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Farbe > Farboptimierung.




Wählen Sie Maximum, Mittel oder Minimum aus, um die Farbintensität und die Details mit leuchtenden Farben einzustellen.



##### Auswählen der voreingestellten Farbtemperatur

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Farbe > Farbtemperatur.

Wählen Sie Normal, Warm oder Kühl aus, um die Farbtemperatur nach Ihren Vorlieben festzulegen.

##### Anpassen der Farbtemperatur

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Farbe > Personalisierte Farbtemperatur.




Wählen Sie im Menü "Farbtemperatur" die Option "Personalisiert" aus, um selbst eine Farbtemperatur festzulegen. Drücken Sie den Pfeil  (nach oben) oder  (nach unten), um den Wert anzupassen. WP ist der Weißpunkt, BL ist der Schwarzwert. Sie können auch eine der Voreinstellungen in diesem Menü auswählen.

---

## Erweiterte Kontrasteinstellungen

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### Kontrastmodi

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Kontrast > Kontrastmodus.

Wählen Sie Normal, Optimiert für Bilder oder Optimiert für Energieeinsparung aus, um den Fernseher so einzustellen, dass er automatisch den Kontrast reduziert und so am wenigsten Energie verbraucht bzw. das beste Bilderlebnis liefert, oder wählen Sie "Aus", um die Anpassung auszuschalten.

---

## Dynamic Contrast




Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Kontrast > Dynamischer Kontrast.



Wählen Sie "Maximum", "Mittel" oder "Minimum" aus, um den Wert festzulegen, bei dem der Fernseher automatisch Details in dunklen, mittelhellen und hellen Bereichen des Bildes optimiert.

---




## Videokontrast, Gamma



### Videokontrast

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Kontrast > Videokontrast.

Drücken Sie den Pfeil  (nach oben) oder  (nach unten), um den Wert für den Videokontrast anzupassen.

### Gamma

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Kontrast > Gamma.




Drücken Sie den Pfeil  (nach oben) oder  (nach unten), um eine nicht lineare Einstellung für die Bildhelligkeit und den Kontrast festzulegen.

---

## Verbesserte Schärfereinstellungen

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### Ultra Resolution

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Schärfe > Ultra Resolution.




Wählen Sie "Ein" aus, um eine hervorragende Schärfe bei Linien und Details im Bild zu erhalten.

---

## Scharfe Bilder

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### Rauschunterdrückung

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Scharfe Bilder > Rauschunterdrückung.

Wählen Sie Maximum, Mittel oder Minimum aus, um den Wert für die Rauschunterdrückung bei Videoinhalten festzulegen. Rauschen zeigt sich meist als sich bewegende Punkte im angezeigten Bild.

---

## MPEG-Artefaktunterdrückung

Drücken Sie  /  Home >  Einstellungen > Bild > Erweitert > Scharfe Bilder > MPEG-Artefaktreduzierung.





Wählen Sie Maximum, Mittel oder Minimum aus, um die Glättung von Artefakten in digitalen Videoinhalten entsprechend einzustellen. MPEG-Artefakte zeigen sich meist als Klötzchen oder gezackte Ränder in den angezeigten Bildern.

---

## Bildformat

Wenn das Bild nicht den gesamten Bildschirm ausfüllt, wenn schwarze Streifen oben oder unten oder an den Seiten angezeigt werden, können Sie das Bild so anpassen, dass der Bildschirm vollständig ausgefüllt wird.

So wählen Sie eine der Basiseinstellungen zum Ausfüllen des Bildschirms aus:

- 1 – Drücken Sie während der Wiedergabe eines Fernsehsenders  /  Home >  Einstellungen > Bild > Bildformat.
- 2 – Wählen Sie aus der Liste ein Format aus, und drücken Sie die Taste OK.
- 3 – Drücken Sie gegebenenfalls mehrmals  BACK, um das Menü zu beenden.

Die folgenden Formate stehen je nach Bild auf dem Bildschirm zur Verfügung. . .


- • Breitbild
- Bildschirm ausfüllen
- Vollbild
- • Nicht skaliert

---

## Ton

### Toneinstellung

#### Auswählen einer Einstellung

Drücken Sie  /  Home >  Einstellungen > Ton > Toneinstellung.




Zur einfachen Anpassung des Tons können Sie über "Toneinstellung" eine vordefinierte Einstellung auswählen.

- Persönlich – Ihre persönliche Auswahl, die Sie unter "Bild + Ton personalisieren" getroffen haben
- Original – Die neutralste Toneinstellung
- Film – Ideal für die Wiedergabe von Filmen
- Musik – Ideal für die Wiedergabe von Musik
- Spiel – Ideal für Spiele
- Nachrichten – Ideal für Nachrichten/Dokumentationen

---

## Soundmanagement




### Wählen Sie ein Gerät.

Drücken Sie  /  Home >  Einstellungen > Ton > Soundmanagement.  
Audio-Ausgabegeräte konfigurieren.

- TV-Lautsprecher – Stellen Sie den Fernseher so ein, dass der Ton über den Fernseher oder das angeschlossene Audiosystem wiedergegeben wird.
- Kopfhörer-/Badezimmerlautsprecher – Ein/Aus.
- Feste Lautstärke für Kopfhörer/Badezimm.ltspr. – Ist diese Funktion aktiviert, wird der Lautstärkepegel des Kopfhörers/Badezimmerlautsprechers auf die Standardeinstellung fixiert.
- Kopfhörererkennung – Ein/Aus.

---

## Aufstellungsort

Drücken Sie  /  Home >  Einstellungen > Ton > Aufstellungsort.

Wählen Sie "Auf Tischfuß" oder "An der Wand" aus, um die optimale Tonwiedergabe entsprechend der Aufstellungsart zu erhalten.




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## Erweitert



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## Energiespareinstellungen

### Sleeptimer

Drücken Sie  /  Home >  Einstellungen > Energiespareinstellungen > Sleep-Timer.

Stellen Sie den Fernseher so ein, dass er nach einer voreingestellten Zeit automatisch in den Standby-Modus wechselt. Um diese Funktion zu deaktivieren, stellen Sie die Zeit auf Null.

Drücken Sie den Pfeil  (nach oben) oder  (nach unten), um den Wert anzupassen. Beim Wert 0 (Aus) wird das automatische Ausschalten deaktiviert.

Wenn Sie "Ausschalt-Timer" auswählen, schaltet sich der Fernseher automatisch aus, um Energie zu sparen.

\* Der Fernseher schaltet sich aus, wenn ein Fernsehsignal empfangen wird, Sie aber innerhalb von vier Stunden keine Taste auf der Fernbedienung drücken.




\* Der Fernseher schaltet sich aus, wenn kein Fernsehsignal empfangen wird und innerhalb von 10 Minuten keine Taste auf der Fernbedienung gedrückt wird.

\* Wenn Sie den Fernseher als Monitor nutzen oder zum Fernsehen einen Digitalreceiver verwenden (eine

Set-Top-Box, STB) und die Fernbedienung des Fernsehers nicht zum Einsatz kommt, deaktivieren Sie das automatische Ausschalten, indem Sie den Wert auf 0 setzen.

---

### Bild ausgeschaltet




Drücken Sie  /  Home >  Einstellungen > Energiespareinstellungen > Bild ausgeschaltet.

Wenn Sie auf Ihrem Fernseher nur Musik hören, können Sie den Fernsehbildschirm ausschalten. Nur der Fernsehbildschirm wird ausgeschaltet. Um den Bildschirm wieder einzuschalten, drücken Sie eine beliebige Taste der Fernbedienung.

---

## Region und Sprache

### Sprachen

Drücken Sie  /  Home >  Einstellungen > Region und Sprache > Sprachen.

Nehmen Sie Regions- oder Spracheinstellungen vor.

- Androidsystem/Menüsprache – Ändern Sie die Sprache für Menüs und Meldungen.
- Bevorzugte Audiosprache – Legen Sie die bevorzugte Einstellung für die Audiosprache in Sendungen fest.
- Alternative Audiosprache – Legen Sie die nächste bevorzugte Einstellung für die Audiosprache in Sendungen fest.
- Bevorzugte Untertitelsprache – Legen Sie die höchste bevorzugte Einstellung für die Untertitelsprache in Sendungen fest.
- Alternative Untertitelsprache – Legen Sie die nächste bevorzugte Einstellung für die Untertitelsprache in Sendungen fest.
- Bevorzugte Videotextsprache – Legen Sie die erste bevorzugte Einstellung für die Videotextsprache in Sendungen fest.
- Alternative Videotextsprache – Legen Sie die nächste bevorzugte Einstellung für die Videotextsprache in Sendungen fest.




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## Einstellungen zu Seh- und Hörhilfen

Drücken Sie  /  Home >  Einstellungen > Seh -und Hörhilfen > Universalzugriff.

Wenn die Seh- und Hörhilfen aktiviert sind, eignet sich der Fernseher zur Verwendung durch Personen mit Seh- und Hörbeeinträchtigungen.

### Einschalten der Seh- und Hörhilfen

Drücken Sie  /  Home >  Einstellungen > Seh -und Hörhilfen > Universalzugriff > Ein.




Seh- und Hörhilfen für hörbehinderte Menschen  
Drücken Sie  /  Home >  Einstellungen > Seh -und Hörhilfen > Universalzugriff

> Hörbehindert > Ein.

- Einige digitale Fernsehsender senden ein besonderes Audiosignal und Untertitel für hörbehinderte und taube Menschen.
- Wenn Hörhilfen eingeschaltet sind, wechselt der Fernseher automatisch in den Modus mit angepasstem Audiosignal und Untertiteln, sofern verfügbar.


Seh- und Hörhilfen für Menschen mit



### Sehbeeinträchtigungen

Drücken Sie  /  Home >  Einstellungen > Seh -und Hörhilfen > Universalzugriff

> Audiobeschreibung > Audiobeschreibung > Ein.

Digitale Fernsehsender können spezielle Audiokommentare übertragen, die das Geschehen auf dem Bildschirm beschreiben.




 Einstellungen > Seh- und Hörhilfen > Universalzugriff > Audiobeschreibung > Kombin. Lautst., Soundeffekte, Sprache.

- Wenn Sie "Kombin. Lautst." auswählen, können Sie die Lautstärke des normalen Tons mit den Audiokommentaren kombinieren. Drücken Sie den Pfeil  (nach oben) or  (nach unten), um den Wert anzupassen.
- Wenn Sie die Soundeffekte einschalten, erhalten Sie zusätzliche Soundeffekte im Audiokommentar, wie Stereo oder Ausklingen.
- Wählen Sie "Sprache", um die bevorzugte Spracheinstellung (Beschreibend oder Untertitel) auszuwählen.

---




## Sendung themenabh. sperren

### Einstufung

Drücken Sie  /  Home >  Einstellungen > Inhaltseinstufung.

Damit Kinder keine Sendungen sehen, die für ihr Alter ungeeignet sind, können Sie eine Altersfreigabe festsetzen. Digitale Sender haben eine Altersfreigabe in ihre Sendungen integriert. Wenn die Freigabe gleich oder höher als das eingegebene Alter Ihres Kindes ist, wird die entsprechende Sendung gesperrt. Um eine gesperrte Sendung wiederzugeben, müssen Sie zuerst den Code eingeben.

So setzen Sie eine Altersfreigabe fest




Drücken Sie  /  Home >  Einstellungen > Inhaltseinstufung > Einstufung.



Wählen Sie das Alter, und drücken Sie OK. Um die Altersfreigabe zu deaktivieren, wählen Sie als Alterseinstellung Keine aus. In einigen Ländern ist es jedoch vorgeschrieben, eine Altersfreigabe festzulegen.




---

### Code festlegen und Code ändern

Drücken Sie  /  Home >  Einstellungen > Inhaltseinstufung.

Der Kindersicherungs-Code wird zum Sperren und Entsperren von Sendern und Sendungen verwendet.

Legen Sie einen neuen Code fest, oder ändern Sie den Code.

Drücken Sie  /  Home >  Einstellungen > Inhaltseinstufung > Code ändern.

#### Hinweis:

Wenn Sie Ihren PIN-Code vergessen haben, können Sie den aktuellen Code durch Eingabe von **8888** umgehen und einen neuen Code eingeben.

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11.4

## Anschließen Ihres Android TV

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### Netzwerk und Internet

#### Heimnetzwerk

Damit Sie alle Funktionen Ihres Philips Android TV genießen können, muss Ihr Fernseher mit dem Internet verbunden sein.

Verbinden Sie den Fernseher mit einer High-Speed-Internetverbindung mit einem Heimnetzwerk. Sie können den Fernseher kabellos oder per Netzwerkkabel mit Ihrem Netzwerkrouter verbinden.

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#### Mit Netzwerk verbinden

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#### Kabellose Verbindung

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#### Was Sie benötigen

Zur kabellosen Verbindung des Fernsehers mit dem Internet benötigen Sie einen WiFi-Router mit Zugang zum Internet.




Verwenden Sie einen Router mit einer Hochgeschwindigkeits-Internetverbindung (Breitband).



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### Herstellen der Verbindung

#### Herstellen der Verbindung – KABELLOS

Drücken Sie  /  Home >  Einstellungen >  Kabellos und Netzwerke > Mit Netzwerk verbinden > KABELLOS.

- 1 – Wählen Sie in der Liste der gefundenen Netzwerke Ihr kabelloses Netzwerk aus. Wenn Ihr Netzwerk nicht in der Liste angezeigt wird, weil der Netzwerkname ausgeblendet ist (Sie haben die SSID-Übertragung des Routers deaktiviert), wählen Sie Neues Netzwerk hinzufügen aus, um den Netzwerknamen manuell einzugeben.
- 2 – Geben Sie abhängig vom Routermodell Ihren Verschlüsselungscode ein (WEP, WPA oder WPA2). Wenn Sie den Verschlüsselungscode für dieses Netzwerk bereits eingegeben haben, können Sie durch Auswahl von OK die Verbindung direkt herstellen.
- 3 – Sobald die Verbindung hergestellt wurde, wird eine Nachricht angezeigt.

#### Herstellen der Verbindung – WPS

Drücken Sie  /  Home >  Einstellungen >  Kabellos und Netzwerke > Mit Netzwerk verbinden > WPS.

Wenn Ihr Router WPS unterstützt, können Sie ohne Netzwerksuche direkt eine Verbindung zum Router herstellen. Wenn Geräte in Ihrem WLAN-Netzwerk das WEP-Verschlüsselungssystem verwenden, ist die Verwendung von WPS nicht möglich.

- 1 – Gehen Sie zum Router, drücken Sie die WPS-Taste, und kehren Sie innerhalb von 2 Minuten zum Fernseher zurück.
- 2 – Wählen Sie zum Herstellen der Verbindung Verbinden.
- 3 – Sobald die Verbindung hergestellt wurde, wird eine Nachricht angezeigt.

#### Herstellen der Verbindung – WPS MIT PIN-Code

Drücken Sie  /  Home >  Einstellungen  
>  Kabellos und Netzwerke > Mit Netzwerk  
verbinden > WPS MIT PIN-Code.

Wenn Ihr Router WPS mit PIN-Code unterstützt, können Sie ohne Netzwerksuche direkt eine Verbindung zum Router herstellen. Wenn Geräte in Ihrem WLAN-Netzwerk das WEP-Verschlüsselungssystem verwenden, ist die Verwendung von WPS nicht möglich.

- 1 - Notieren Sie sich den achtstelligen PIN-Code, der auf dem Bildschirm angezeigt wird, und geben Sie ihn in der Router-Software auf Ihrem PC ein. Im Handbuch zu Ihrem Router erfahren Sie, wo Sie den PIN-Code in der Router-Software eingeben müssen.
- 2 - Wählen Sie zum Herstellen der Verbindung Verbinden.
- 3 - Sobald die Verbindung hergestellt wurde, wird eine Nachricht angezeigt.

---

## Probleme

**Kabelloses Netzwerk wurde nicht gefunden oder ist gestört**

- Mikrowellenherde, DECT-Telefone oder andere Geräte mit WiFi 802.11b/g/n/ac in der Nähe können möglicherweise Störungen im WLAN-Netzwerk verursachen.
- Stellen Sie sicher, dass Sie über die Firewalls im Netzwerk Zugriff auf die kabellose Verbindung mit dem Fernseher erlauben.
- Wenn das kabellose Netzwerk nicht ordnungsgemäß funktioniert, testen Sie die kabelgebundene Netzwerkinstallation.

**Das Internet funktioniert nicht**

- Prüfen Sie, falls die Verbindung zum Router ordnungsgemäß funktioniert, die Verbindung des Routers mit dem Internet.

**Der PC und die Internetverbindung sind langsam**

- Informieren Sie sich in der Bedienungsanleitung des kabellosen Routers über die Reichweite in Innenräumen, die Übertragungsrate und über die anderen Faktoren zur Signalqualität.
- Sie benötigen für den Router eine Hochgeschwindigkeitsverbindung (Breitband) zum Internet.

**DHCP**

- Wenn keine Verbindung hergestellt werden kann, überprüfen Sie die DHCP-Einstellung (Dynamic Host Configuration Protocol) des Routers. DHCP sollte aktiviert sein.

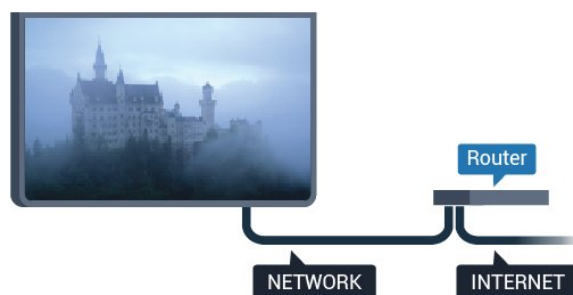
---

## Kabelgebundene Verbindung

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## Was Sie benötigen

Zur Verbindung des Fernsehers mit dem Internet benötigen Sie einen Router mit Zugang zum Internet. Verwenden Sie einen Router mit einer Hochgeschwindigkeits-Internetverbindung (Breitband).



---

## Herstellen der Verbindung

### Herstellen der Verbindung – KABELGEBUNDEN

Drücken Sie  /  Home >  Einstellungen  
>  Kabellos und Netzwerke > Mit Netzwerk  
verbinden > KABELGEBUNDEN.

- 1 - Verbinden Sie den Router über ein Netzkabel (Ethernet-Kabel\*\*) mit dem Fernseher.
- 2 - Prüfen Sie, ob der Router tatsächlich eingeschaltet ist.
- 3 - Der Fernseher sucht kontinuierlich nach der Netzwerkverbindung.
- 4 - Sobald die Verbindung hergestellt wurde, wird eine Nachricht angezeigt.





Wenn keine Verbindung hergestellt werden kann, überprüfen Sie die DHCP-Einstellung des Routers. DHCP sollte aktiviert sein.

\*\*Verwenden Sie ein abgeschirmtes FTP-Cat. 5E-Ethernetkabel, um den EMC-Anforderungen zu entsprechen.

---

## Einstellungen


### Netzwerkeinstellungen anzeigen

Drücken Sie  /  Home >  Einstellungen  
>  Kabellos und Netzwerke > Einstellungen  
> Netzwerkeinstellungen anzeigen.

Sie können alle aktuellen Netzwerkeinstellungen hier anzeigen. Die IP- und MAC-Adresse, die Signalstärke, die Geschwindigkeit, die Verschlüsselungsmethode usw.





### Netzwerkconfiguration – DHCP / statische IP-Adresse

Drücken Sie  /  Home >  Einstellungen

>  Kabellos und Netzwerke > Einstellungen  
> Netzwerkkonfiguration > DHCP / statische IP.

Wählen Sie DHCP aus. Fortgeschrittene Benutzer können ihr Netzwerk auch mit einer statischen IP-Adresse einrichten.





### Netzwerkkonfiguration – Statische IP-Konfiguration

Drücken Sie  /  Home >  Einstellungen  
>  Kabellos und Netzwerke > Einstellungen  
> Statische IP-Konfiguration.

1 – Wählen Sie Statische IP-Konfiguration, und konfigurieren Sie die Verbindung.





2 – Sie können die Werte für IP-Adresse, Netzmaske, Gateway, DNS 1 oder DNS 2 einstellen.

#### Wake on LAN (WoL)

Drücken Sie  /  Home >  Einstellungen  
>  Kabellos und Netzwerke > Einstellungen > Wake on LAN (WoL).





Wake on LAN (WoL) (de-)aktivieren. Sie können den Fernseher mit einem externen Gerät über das gleiche LAN aktivieren.

#### Wake on Wi-Fi (WoWLAN)

Drücken Sie  /  Home >  Einstellungen  
>  Kabellos und Netzwerke > Einstellungen > Wake on Wi-Fi (WoWLAN).

Wake on WiFi (WoWLAN) (de-)aktivieren. Sie können den Fernseher mit einem externen Gerät über das gleiche WiFi aktivieren.

### Netzwerktyp

Drücken Sie  /  Home >  Einstellungen  
>  Kabellos und Netzwerke > Einstellungen > Netzwerktyp.

- Kabelgebunden – Verbindung mit einem kabelgebundenen Netzwerk.
- Kabellos – Wählen Sie in der Liste der gefundenen Netzwerke Ihr kabelloses Netzwerk aus. Wenn Ihr Netzwerk nicht in der Liste angezeigt wird, weil der Netzwerkname ausgeblendet ist (Sie haben die SSID-Übertragung des Routers deaktiviert), wählen Sie Neues Netzwerk hinzufügen aus, um den Netzwerknamen manuell einzugeben.
- WPS – Wenn Ihr Router WPS unterstützt, können Sie ohne Netzwerksuche direkt eine Verbindung zum Router herstellen. Wenn Geräte in Ihrem WLAN-Netzwerk das WEP-Verschlüsselungssystem verwenden, ist die Verwendung von WPS nicht möglich.
- WPS mit PIN-Code – Wenn Ihr Router WPS mit PIN-Code unterstützt, können Sie ohne Netzwerksuche direkt eine Verbindung zum Router herstellen. Wenn Geräte in Ihrem WLAN-Netzwerk das WEP-Verschlüsselungssystem verwenden, ist die Verwendung von WPS nicht möglich.

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## Google-Konto

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### Anmelden

Um alle Funktionen Ihres Philips Android TV zu genießen, können Sie sich mit Ihrem Google-Konto bei Google anmelden.

Durch die Anmeldung können Sie Ihre Lieblingsspiele auf dem Telefon, Tablet und Fernseher spielen. Sie erhalten außerdem auf dem TV-Startbildschirm maßgeschneiderte Video- und Musikempfehlungen sowie Zugriff auf YouTube, Google Play und andere Apps.

Verwenden Sie Ihr bestehendes **Google-Konto**, um sich auf Ihrem Fernseher bei Google anzumelden. Ein Google-Konto besteht aus einer E-Mail-Adresse und einem Kennwort. Wenn Sie noch kein Google Konto haben, verwenden Sie Ihren Computer oder Ihr Tablet, um eines zu erstellen ([accounts.google.com](https://accounts.google.com)). Um Spiele mit Google Play zu spielen, benötigen Sie ein Google+-Profil. Wenn Sie sich bei der Ersteinrichtung des Fernsehers nicht angemeldet haben, können Sie das jederzeit später nachholen.

### Anmelden

Drücken Sie  Home >  Apps > Google Play.




Geben Sie über die Bildschirmtastatur Ihre E-Mail-Adresse und Ihr Passwort ein, und drücken Sie zum Anmelden dieselbe **OK**-Taste.

---

### Android-Einstellungen

Sie können verschiedene Android-spezifische Einstellungen oder Informationen einstellen bzw. anzeigen. Sie können die Liste mit Apps aufrufen, die auf Ihrem Fernseher installiert sind, und prüfen, wie viel Speicherplatz diese einnehmen. Sie können die Sprache einstellen, die Sie für die Sprachsuche verwenden möchten. Sie können die Bildschirmtastatur konfigurieren oder Apps erlauben, Ihren Standort zu verwenden. Erkunden Sie die verschiedenen Android-Einstellungen. Besuchen Sie [www.support.google.com/androidtv](https://www.support.google.com/androidtv), um weitere Informationen zu diesen Einstellungen zu erhalten.

### So öffnen Sie diese Einstellungen





Drücken Sie  /  Home >  Einstellungen > Einstellungen > Android-Einstellungen.

# Programme

## Senderlisten

### Informationen zu Senderlisten

Nach der Senderinstallation werden alle Sender in der Senderliste angezeigt. Sender werden mit Name und Logo angezeigt, sofern diese Informationen verfügbar sind.



Wenn eine Senderliste ausgewählt ist, können Sie mit den Pfeiltasten  (nach oben) oder  (nach unten) einen Sender auswählen. Drücken Sie dann **OK**, um den ausgewählten Sender anzusehen. Sie können mit den Tasten  **+** oder  **-** nur die in dieser Liste enthaltenen Sender einschalten.


### Radiosender

Wenn digitale Sendungen verfügbar sind, werden während der Installation auch digitale Radiosender installiert. Sie können wie bei Fernsehprogrammen zwischen Radiosendern wechseln.

### Öffnen einer Senderliste


So öffnen Sie die aktuelle Senderliste:

1. Drücken Sie , um zum Fernsehen zu wechseln.
2. Drücken Sie , um die aktuelle Senderliste zu öffnen.

Drücken Sie  erneut, um die Senderliste zu schließen.

## Anzeigen von Sendern

### Einschalten eines Senders

Um Fernsehsender anzuzeigen, drücken Sie . Der Fernseher schaltet automatisch auf den Sender, den Sie zuletzt gesehen haben.


### Umschalten der Sender

- Um zwischen den Sendern umzuschalten, drücken Sie  **+** oder  **-**

### Vorheriger Sender

Wenn Sie zurück zum zuvor wiedergegebenen Sender wechseln möchten, drücken Sie  **BACK**.

### Senderliste

Drücken Sie beim Fernsehen die Taste , um die Senderliste zu öffnen.



## Senderoptionen

### Öffnen der Optionen

### Common Interface

Wenn Sie ein CAM in einem der Common Interface-Steckplätze installiert haben, können Sie CAM- und Betreiberinformationen anzeigen oder bestimmte CAM-bezogene Einstellungen vornehmen.

So zeigen Sie die CAM-Informationen an:

- 1 - Stellen Sie den Sender ein, und drücken Sie  **OPTIONS**.
- 2 - Wählen Sie **Common Interface** aus.
- 3 - Wählen Sie den jeweiligen Common Interface-Steckplatz aus, und drücken Sie  (rechts).
- 4 - Wählen Sie den Fernsehbetreiber des CAM aus, und drücken Sie **OK**. Die folgenden Bildschirme stammen vom Fernsehbetreiber.






### Untertitel

### Untertitelsprache

### Bevorzugte Untertitelsprachen

Digitale Übertragungen können für eine Sendung mehrere Untertitelsprachen anbieten. Sie können eine bevorzugte und eine alternative Untertitelsprache auswählen. Wenn Untertitel in einer dieser Sprachen zur Verfügung stehen, werden sie vom Fernseher angezeigt.

So legen Sie die bevorzugte und die alternative Untertitelsprache fest:

- 1 - Drücken Sie  /  Home. Drücken Sie  (nach unten), wählen Sie **Einstellungen** und drücken Sie **OK**.
- 2 - Wählen Sie Region und Sprache > Sprachen > Bevorzugte Untertitelsprache oder Alternative Untertitelsprache aus.
- 3 - Wählen Sie die gewünschte Sprache aus, und drücken Sie **OK**.
- 4 - Drücken Sie  (links), um einen Schritt zurückzugehen, oder drücken Sie  **BACK**, um das Menü zu schließen.

### Auswählen einer Untertitelsprache

Wenn keine der bevorzugten Untertitelsprachen verfügbar sind, können Sie eine andere Untertitelsprache auswählen, sofern verfügbar. Wenn keine Untertitelsprachen verfügbar sind, steht diese Option nicht zur Auswahl zur Verfügung.

So stellen Sie eine Untertitelsprache ein, wenn keine

Ihrer ausgewählten Sprachen verfügbar ist:

- 1 - Drücken Sie **+** **OPTIONS**.
- 2 - Wählen Sie **Untertitelsprache** und dann eine der Sprachen als Untertitelsprache aus, die vorübergehend verwendet werden soll.

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## Audiosprache

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### Bevorzugte Audiosprache

Digitale Übertragungen können für eine Sendung mehrere Audiosprachen (gesprochene Sprachen) anbieten. Sie können eine bevorzugte und eine alternative Audiosprache auswählen. Wenn der Ton in einer dieser Sprachen zur Verfügung steht, wird die Audiosprache automatisch vom Fernseher ausgewählt.

So legen Sie die bevorzugte und die alternative Audiosprache fest:

- 1 - Drücken Sie **Home** / **Home**. Drücken Sie **▼** (nach unten), wählen Sie **Einstellungen** aus und drücken Sie **OK**.
- 2 - Wählen Sie **Region und Sprache** und dann **Sprachen > Bevorzugte Audiosprache** oder **Alternative Audiosprache** aus.
- 3 - Wählen Sie die gewünschte Sprache aus, und drücken Sie **OK**.
- 4 - Drücken Sie **◀** (links), um einen Schritt zurückzugehen, oder drücken Sie **← BACK**, um das Menü zu schließen.

---

## Auswählen einer Audiosprache

Wenn keine der bevorzugten Audiosprachen verfügbar ist, können Sie eine andere Audiosprache auswählen, sofern verfügbar. Wenn keine Audiosprachen verfügbar sind, steht diese Option nicht zur Auswahl zur Verfügung.

So stellen Sie eine Audiosprache ein, wenn keine Ihrer bevorzugten Sprachen verfügbar ist:

- 1 - Drücken Sie **+** **OPTIONS**.
- 2 - Wählen Sie **Audiosprache** und dann die Audiosprache, die vorübergehend verwendet werden soll.

---

## Senderinformationen

### Senderdetails anzeigen

So rufen Sie Informationen zum ausgewählten Sender auf...

- 1 - Schalten Sie den Sender ein.
- 2 - Drücken Sie **+** **OPTIONS**, wählen Sie **Senderinformationen** aus, und drücken Sie **OK**.

- 3 - Um diesen Bildschirm zu schließen, drücken Sie **OK**.

---

## Mono/Stereo

Sie können für den Ton eines analogen Senders Mono bzw. Stereo auswählen.

So wechseln Sie zu Mono bzw. Stereo:

- 1 - Schalten Sie einen analogen Sender ein.
- 2 - Drücken Sie **+** **OPTIONS**, wählen Sie **Mono/Stereo** aus, und drücken Sie **➤** (nach rechts).
- 3 - Wählen Sie **Mono** oder **Stereo** aus, und drücken Sie **OK**.
- 4 - Drücken Sie **◀** (links), um einen Schritt zurückzugehen, oder drücken Sie **← BACK**, um das Menü zu schließen.

---

## Programminformationen

### Anzeigen von Informationen zur Sendung

So rufen Sie Informationen zur ausgewählten Sendung auf:

- 1 - Schalten Sie den Sender ein.
- 2 - Drücken Sie **+** **OPTIONS**, wählen Sie **Programminformationen** aus, und drücken Sie **OK**.
- 3 - Um diesen Bildschirm zu schließen, drücken Sie **OK**.

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11.6

## Einstellung der Sender

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## Installieren von Sendern

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### Antennen-/Kabelinstallation

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#### Sendersuche

Sie können alle Sender neu installieren und alle anderen Fernsehereinstellungen beibehalten.

Wenn ein PIN-Code festgelegt wurde, müssen Sie diesen Code vor dem erneuten Einstellen der Sender eingeben.

So suchen Sie nach Sendern...

- 1 - Drücken Sie **Home** / **Home** > **Einstellungen** > **Sender installieren** und drücken Sie dann **OK**.
- 2 - Wählen Sie **RF Senderinstallation** aus, und drücken Sie **OK**.
- 3 - Geben Sie Ihren PIN-Code ein, falls erforderlich. Wählen Sie **Nach Sendern suchen** aus, und drücken Sie **OK**.

Wählen Sie **Start** aus, und drücken Sie **OK**.  
Wählen Sie **Start** aus, und drücken Sie **OK**.  
Wählen Sie die gewünschte Installationsart aus, **Antenne (DVB-T)** oder **Kabel (DVB-C)**, und drücken Sie **OK**.  
Wählen Sie **Weiter** aus, und drücken Sie **OK**.  
Wählen Sie die gewünschte Senderart aus, **Digitale und analoge Sender** oder **Nur digitale Sender**, und drücken Sie **OK**.  
Wählen Sie **Weiter** aus, und drücken Sie **OK**.  
Wählen Sie **Start** aus, und drücken Sie **OK**, um die digitalen Sender zu aktualisieren. Dies kann einige Minuten in Anspruch nehmen.  
Drücken Sie **◀** (links), um einen Schritt zurückzugehen, oder drücken Sie **← BACK**, um das Menü zu schließen.

---

### Autom. Senderaktualisierung

Wenn Sie digitale Sender empfangen, können Sie den Fernseher so einstellen, dass diese Sender automatisch aktualisiert werden.

Täglich um 6 Uhr morgens aktualisiert der Fernseher die Sender und speichert neu hinzugekommene Sender. Neue Sender werden in der Senderliste gespeichert und mit einem **★** gekennzeichnet. Sender ohne Signal werden entfernt. Der Fernseher muss sich im Standby-Modus befinden, um Sender automatisch zu aktualisieren. Sie können die automatische Senderaktualisierung jedoch auch deaktivieren.

So deaktivieren Sie die automatische Aktualisierung:

- 1 - Drücken Sie **⏠ / ⏡ Home > ⚙ Einstellungen > Sender installieren** und drücken Sie dann **OK**.
- 2 - Wählen Sie **RF Senderinstallation** aus, und drücken Sie **OK**.
- 3 - Geben Sie Ihren PIN-Code ein, falls erforderlich.
- 4 - Wählen Sie **Autom. Senderaktualisierung** aus, und drücken Sie **OK**.
- 5 - Legen Sie **Aus** fest, und drücken Sie **OK**.
- 6 - Drücken Sie **◀** (links), um einen Schritt zurückzugehen, oder drücken Sie **← BACK**, um das Menü zu schließen.

---

### Senderaktualisierungsnachricht

Wenn neue Sender gefunden oder vorhandene Sender aktualisiert oder entfernt werden, wird beim Einschalten des Fernsehers eine Nachricht eingeblendet. Wenn diese Nachricht nicht nach jeder Senderaktualisierung angezeigt werden soll, können Sie sie deaktivieren.

So deaktivieren Sie die Nachricht:

- 1 - Drücken Sie **⏠ / ⏡ Home > ⚙ Einstellungen > Sender installieren** und drücken Sie dann **OK**.

- 2 - Wählen Sie **RF Senderinstallation** aus, und drücken Sie **OK**.
- 3 - Geben Sie Ihren PIN-Code ein, falls erforderlich.
- 4 - Wählen Sie **Autom. Senderaktualisierung** aus, und drücken Sie **OK**.
- 5 - Legen Sie **Aus** fest, und drücken Sie **OK**.
- 6 - Drücken Sie **◀** (links), um einen Schritt zurückzugehen, oder drücken Sie **← BACK**, um das Menü zu schließen.

In einigen Ländern erfolgt die automatische Senderaktualisierung während der Programmwiedergabe oder wenn sich der Fernseher im Standby-Modus befindet.

---

### Digital: Manuelle Installation

Digitale Fernsendeder können nacheinander manuell installiert werden.

So installieren Sie digitale Sender manuell:

- 1 - Drücken Sie **⏠ / ⏡ Home > ⚙ Einstellungen > Sender installieren** und drücken Sie dann **OK**.
- 2 - Wählen Sie **RF Senderinstallation** aus, und drücken Sie **OK**.
- 3 - Wählen Sie **Digital: Manuelle Installation** aus, und drücken Sie **OK**.
- 4 - Wählen Sie **Suchen** aus, und drücken Sie **OK**. Sie können selbst eine Frequenz eingeben, um einen Sender zu suchen, oder Sie lassen den Fernseher nach einem Sender suchen. Drücken Sie **▶** (rechts), um **Suchen** auszuwählen, und drücken Sie **OK**, um automatisch nach einem Sender zu suchen. Der gefundene Sender wird auf dem Bildschirm angezeigt. Wenn der Empfang schlecht ist, drücken Sie erneut **Suchen**. Wenn Sie den Sender speichern möchten, wählen Sie **Fertig** aus, und drücken Sie **OK**.

---

### Analog: Manuelle Installation

Analoge Fernsendeder können nacheinander manuell eingestellt werden.

So installieren Sie analoge Sender manuell:

- 1 - Drücken Sie **⏠ / ⏡ Home > ⚙ Einstellungen > Sender installieren** und drücken Sie dann **OK**.
- 2 - Wählen Sie **RF Senderinstallation** aus, und drücken Sie **OK**.
- 3 - Wählen Sie **Analog: Manuelle Installation** aus, und drücken Sie **OK**.

#### • System

Um das Fernsehsystem einzurichten, wählen Sie **System** aus.

Wählen Sie Ihr Land oder das Gebiet aus, in dem Sie sich derzeit befinden, und drücken Sie **OK**.

#### • Sender suchen

Um einen Sender zu suchen, wählen Sie **Sender**

suchen aus, und drücken Sie **OK**. Sie können selbst eine Frequenz eingeben, um einen Sender zu suchen, oder Sie lassen den Fernseher nach einem Sender suchen. Drücken Sie **➤** (rechts), um **Suchen** auszuwählen, und drücken Sie **OK**, um automatisch nach einem Sender zu suchen. Der gefundene Sender wird auf dem Bildschirm angezeigt. Wenn der Empfang schlecht ist, drücken Sie erneut **Suchen**. Wenn Sie den Sender speichern möchten, wählen Sie **Fertig** aus, und drücken Sie **OK**.

- **Speichern**

Sie können den Sender unter der aktuellen Sendernummer oder mit einer neuen Sendernummer speichern.

Wählen Sie **Aktuellen Sender speichern** oder **Als neuen Sender speichern** aus, und drücken Sie **OK**. Die neue Sendernummer wird kurz angezeigt.

Sie können diese Schritte wiederholen, bis alle verfügbaren analogen Fernsehsender eingestellt sind.

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11.7

## Internet

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### Starten des Internets

Sie können auf Ihrem Fernseher im Internet surfen. Prinzipiell können Sie jede beliebige Internet-Website aufrufen, die meisten sind jedoch nicht auf das Bildschirmformat zugeschnitten.

- Einige Plug-ins (z. B. zur Anzeige von Seiten oder Videos) sind auf dem Fernseher nicht verfügbar.
- Sie können keine Dateien senden oder herunterladen.
- Internet-Seiten werden seitenweise und als Vollbild angezeigt.

So starten Sie den Internet-Browser:

- 1 - Drücken Sie **⏠ / ⏠ HOME**.
- 2 - Blättern Sie nach unten, wählen Sie **📁 Apps > 🌐 Internet**, und drücken Sie **OK**.
- 3 - Geben Sie eine Internetadresse ein, wählen Sie **✓** aus, und drücken Sie **OK**.
- 4 - Um das Internet zu schließen, drücken Sie **⏠ / ⏠ HOME** oder **🔙**.

---

### Optionen im Internet

Es stehen einige Extras für das Internet zur Verfügung. So öffnen Sie die Extras:

- 1 - Drücken Sie bei geöffneter Website **⊕ OPTIONS**.
  - 2 - Wählen Sie eines der Elemente aus, und drücken Sie **OK**.
- **Add to Speed Dial** (Zur Kurzwahl hinzufügen): Zum

Eingeben einer neuen Adresse im Internetadresse.

- **Add to Bookmarks** (Zu Lesezeichen hinzufügen): Zum Hinzufügen der Seite als Lesezeichen
- **Page Security** (Seitensicherheit): Zum Anzeigen der Sicherheitsstufe der aktuellen Seite.
- **New Private Tab** (Neue private Registerkarte): Öffnen einer neuen privaten Registerkarte für privates Surfen
- **Einstellungen**: Einstellungen für Vergrößern/Verkleinern, Textgröße, Seh- und Hörhilfen, Menüleiste immer anzeigen und (Browser-) Verlauf löschen
- **Hilfe**: Informationen zum Internet-Browser
- **Exit Internet Browser** (Internet-Browser schließen): Internet-Browser schließen

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11.8

## Smartphones und Tablets

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### Philips TV Remote App

Die neue **Philips TV Remote App** auf Ihrem Smartphone oder Tablet ist ab sofort Ihre Fernsehassistentin.

Mit der TV Remote App können Sie Ihre Medien kinderleicht steuern. Senden Sie Fotos, Musik oder Videos an den großen Fernsehbildschirm. Suchen Sie im TV-Guide nach Inhalten, die Sie auf Ihrem Fernseher ansehen möchten. Mit der TV Remote App können Sie Ihr Telefon als Fernbedienung verwenden, der Fernseher kann per Telefon ein- und ausgeschaltet werden.

Laden Sie die Philips TV Remote App noch heute von der App-Plattform Ihres Vertrauens herunter.

Die Philips TV Remote App ist kostenlos für iOS und Android verfügbar.

---

### Google Cast

#### Was Sie benötigen

Wenn eine Anwendung auf Ihrem Mobilgerät über Google Cast verfügt, können Sie Ihre App auf diesem Fernseher wiedergeben. Suchen Sie in der mobilen App nach dem Google Cast-Symbol. Sie können mit Ihrem Mobilgerät steuern, was auf dem Fernseher angezeigt werden soll. Google Cast funktioniert unter Android und iOS.

Ihr Mobilgerät muss mit dem gleichen WiFi-Heimnetzwerk wie Ihr Fernseher verbunden sein.

#### Apps mit Google Cast

Neue Google Cast-Apps erscheinen täglich. Sie können diese Funktion bereits mit YouTube, Chrome, Netflix, Photowall ... oder Big Web Quiz für



Chromecast ausprobieren. Siehe auch:  
[google.com/cast](http://google.com/cast)

Einige Google Play-Produkte und -Funktionen sind nicht in allen Ländern verfügbar.

Weitere Informationen finden Sie unter [support.google.com/androidtv](http://support.google.com/androidtv)

---

## Wiedergeben von Inhalten auf dem Fernseher

So geben Sie eine App auf dem Fernsehbildschirm wieder:

- 1 - Verbinden Sie Ihr Smartphone über Wi-Fi Direct mit dem Fernseher (Scannen Sie den QR-Code oder verwenden Sie die WiFi-SSID und das Passwort). Öffnen Sie eine App, die Google Cast unterstützt.
- 2 - Tippen Sie auf das Google Cast-Symbol.
- 3 - Wählen Sie den Fernseher aus, auf dem Sie die Wiedergabe durchführen möchten.
- 4 - Drücken Sie auf Ihrem Smartphone oder Tablet "Wiedergabe". Ihre Auswahl sollte nun auf dem Fernseher wiedergegeben werden.

---

## AirPlay

Zum Hinzufügen der AirPlay-Funktion auf Ihrem Android-Fernseher können Sie eine der vielen dazu dienenden Android-Apps herunterladen und installieren. Sie können einige dieser Apps im Google Play Store finden.

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11.9





## Software

---

### Software aktualisieren

#### Softwareversion

So zeigen Sie die aktuelle Version der Fernsehersoftware an:

- 1 - Drücken Sie  / , wählen Sie **Einstellungen**  aus und drücken Sie **OK**.
- 2 - Wählen Sie **Software aktualisieren** > **Momentane Firmware**, und drücken Sie **OK**.
- 3 - Die Version, Versionshinweise und das Erstelldatum werden angezeigt.
- 4 - Drücken Sie gegebenenfalls mehrmals  (links), um das Menü zu schließen.

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#### Update von der Website

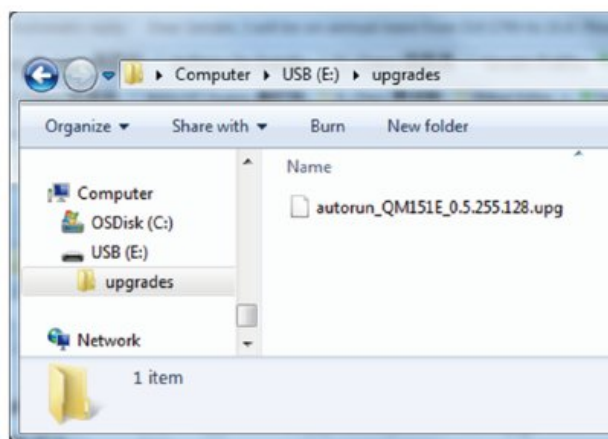
Die aktuelle Firmware-Version Ihres Fernsehers finden Sie im Einstellungsmenü unter "Software aktualisieren" > "Momentane Firmware".

Besuchen Sie regelmäßig [www.philips.com/support](http://www.philips.com/support), um neue Firmware-Updates zu erhalten.

Befolgen Sie die nachstehenden Anweisungen, um die Firmware Ihres Fernsehers zu aktualisieren.

Herunterladen der neuesten Software...

- 1 - Starten Sie den Internet Explorer.
- 2 - Rufen Sie die Philips Support-Website unter <http://www.philips.com/support> auf.
- 3 - Geben Sie die Modellnummer ein. (Die Modellnummer finden Sie auf dem Etikett auf der Rückseite des Fernsehers.)
- 4 - Rufen Sie die Produktseite Ihres Fernsehers und dort Support auf.
- 5 - Wählen Sie "Software-Aktualisierungen" aus, und klicken Sie auf "Datei herunterladen", um die Software herunterzuladen. (Die Software ist als ZIP-Datei verfügbar.)
- 6 - Wenn die Softwareversion höher ist als die auf Ihrem Fernseher installierte Version, klicken Sie auf den Link zum Herunterladen der Software.
- 7 - Akzeptieren Sie die Lizenzvereinbarung/Geschäftsbedingungen, wählen Sie "Ich stimme zu", und die ZIP-Datei wird automatisch heruntergeladen.
- 8 - Entpacken Sie die Zip-Datei mit einem Archivierungstool in einem beliebigen Verzeichnis.
- 9 - Erstellen Sie den Ordner "Upgrades" im Stammverzeichnis Ihres USB-Flashlaufwerks.
- 10 - Kopieren Sie die zuvor extrahierte upg-Datei in den erstellten Ordner "Upgrades" (wie auf der Abbildung unten dargestellt).
- 11 - Trennen Sie Ihr USB-Flash-Laufwerk vom Computer.



Software aktualisieren...

- 1 - Schließen Sie das USB-Flashlaufwerk (mit der Software-Aktualisierung) an den USB-Anschluss des Fernsehers an. Warten Sie 30 Sekunden (ggf. auch länger), bis der Fernseher das USB-Laufwerk erkennt.
- 2 - Der Fernseher lädt die Software automatisch.
- 3 - Nachdem der Fernseher die Software geladen hat, drücken Sie "Start", um das Upgrade zu aktivieren.



# Open-Source-Software

## Open-Source-Lizenz

### Informationen zur Open-Source-Lizenz

README für den Quellcode der Teile der Fernsehersoftware von TP Vision Netherlands B.V., die unter Open-Source-Lizenzen fallen.

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### Open Source

#### Android (9.0.0)

This tv contains the Android Pie Software. Android is a Linux-based operating system designed primarily for touchscreen mobile devices such as smartphones and tablet computers. This software will also be reused in TPVision Android based TV's. The original download site for this software is : <https://android.googlesource.com/> This piece of software is made available under the terms and conditions of the Apache license version 2, which can be found below. Android APACHE License Version 2 (<http://source.android.com/source/licenses.html>) This includes all external sources used by official Android AOSP.

#### linux kernel (4.9)

This tv contains the Linux Kernel. The original download site for this software is : <http://www.kernel.org/>. This piece of software is made available under the terms and conditions of the GPL v2 license, which can be found below. Additionally, following exception applies : "NOTE! This copyright does \*not\* cover user programs that use kernel services by normal system calls - this is merely considered normal use of the kernel, and does \*not\* fall under the heading of "derived work". Also note that the GPL below is copyrighted by the Free Software Foundation, but the instance of code that it refers to (the linux kernel) is copyrighted by me and others who actually wrote it. Also note that the only valid version of the GPL as far as the kernel is concerned is \_this\_ particular version of the license (ie v2, not v2.2 or v3.x or whatever), unless explicitly otherwise stated. Linus Torvalds"

#### mbed TLS (2.6.0)

Cryptographic and SSL/TLS capabilities used in Hue Streaming feature. The original download site for this software is : <https://tls.mbed.org/>. This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### aacenc (3.3.3)

Encoder AAC Bitstream. The original download site for this software is : <http://c-ares.haxx.se/>. This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### alsa (1.0.24.1)

Advanced Linux Sound Architecture (ALSA). The original download site for this software is : <http://www.alsa-project.org>. This piece of software is made available under the terms and conditions of the LGPL 2.0.1, which can be found below.

#### appweb (4.3.5)

The original download site for this software is : <http://www.appwebserver.org/>. This piece of software is made available under the terms and conditions of the GPL 2.0, which can be found below.

#### atf (1.3)

Arm-Trusted-Firmware. The original download site for this software is : <https://github.com/ARM-software/arm-trusted-firmware>. This piece of software is made available under the terms and conditions of the BSD, which can be found below.

#### bash (3.2.48)

The shell, or command language interpreter. The original download site for this software is : <http://www.gnu.org/software/bash/>. This piece of software is made available under the terms and

conditions of the GPL 2.0 license, which can be found below.

#### bluetooth\_mw (1.0)

BT Stack. The original download site for this software is : <https://android.googlesource.com/platform/system/bt> .This piece of software is made available under the terms and conditions of the Apache 2.0 license, which can be found below.

#### bluetooth\_stack (1.0)

BT Stack. The original download site for this software is : <https://android.googlesource.com/platform/system/bt> .This piece of software is made available under the terms and conditions of the Apache 2.0 license, which can be found below.

#### bluetooth\_tool (1.0)

BT Stack. The original download site for this software is : <https://android.googlesource.com/platform/system/bt> .This piece of software is made available under the terms and conditions of the Apache 2.0 license, which can be found below.

#### boost (1.15.0)

Mainly use for encfs. The original download site for this software is : <http://www.boost.org/> .This piece of software is made available under the terms and conditions of the Boost Software License - Version 1.0, which can be found below.

#### busybox (1.15.3)

BusyBox combines tiny versions of many common UNIX utilities into a single small executable. The original download site for this software is : <http://www.busybox.net/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### c-ares (1.12.0)

c-ares is a C library that performs DNS requests and name resolves asynchronously. The original download site for this software is : <http://c-ares.haxx.se/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### cJSON (1.7.7)

The original download site for this software is : <http://sourceforge.net/projects/cjson> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### coreutils (6.9)

Command like cp dd cat chroot. The original download site for this software is : <http://www.gnu.org/software/coreutils/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found

below.

#### libcurl (7.59.0)

libcurl is a free and easy-to-use client-side URL transfer library, supporting DICT, FILE, FTP, FTPS, Gopher, HTTP, HTTPS, IMAP, IMAPS, LDAP, LDAPS, POP3, POP3S, RTMP, RTSP, SCP, SFTP, SMTP, SMTPS, Telnet and TFTP. libcurl supports SSL certificates, HTTP POST, HTTP PUT, FTP uploading, HTTP form based upload, proxies, cookies, user+password authentication (Basic, Digest, NTLM, Negotiate, Kerberos), file transfer resume, http proxy tunneling and more!The original download site for this software is : <http://curl.haxx.se/libcurl/COPYRIGHT> AND PERMISSION NOTICECopyright (c) 1996 - 2010, Daniel Stenberg, daniel@haxx.se.All rights reserved.Permission to use, copy, modify, and distribute this software for any purposewith or without fee is hereby granted, provided that the above copyrightnotice and this permission notice appear in all copies.THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

#### dfb (1.5.3)

The original download site for this software is : <http://www.directfb.org> .This piece of software is made available under the terms and conditions of the LGPL 2.0 license, which can be found below.

#### dibbler (1.0.1)

Dibbler is for implement dhcpv6 client. The original download site for this software is : <http://klub.com.pl/dhcpv6/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### dosfstools (2.9)

Create an MS-DOS file system under Linux. The original download site for this software is : <http://daniel-baumann.ch/files/software/dosfstools> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### e2fsprogs (1.41.14)

The original download site for this software is : <http://e2fsprogs.sourceforge.net> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### electric-fence (2.1.13)

Used for memory corruption detection. The original download site for this software is : [http://perens.com/FreeSoftware/ElectricFence/electric-fence\\_2.1.13-0.1.tar.gz](http://perens.com/FreeSoftware/ElectricFence/electric-fence_2.1.13-0.1.tar.gz) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### encfs (1.3.2)

Use to encrypt file or dir. The original download site for this software is : <http://www.arg0.net/encfs> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### expat (2.1.0)

Xml paser; Expat is an XML parser library written in C. It is a stream-oriented parser in which an application registers handlers for things the parser might find in the XML document (like start tags). An introductory article on using .The original download site for this software is : <http://expat.sourceforge.net/> .

#### findutils (4.2.31)

The original download site for this software is : <http://www.gnu.org/software/findutils/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### freetype (2.7.1)

FreeType 2 is a software font engine that is designed to be small, efficient, highly customizable, and portable while capable of producing high-quality output (glyph images). The original download site for this software is : <http://freetype.sourceforge.net> .

#### fuse (2.8.4)

Fuse is a simple interface for userspace programs to export a virtual filesystem to the linux kernel. The original download site for this software is : <http://sourceforge.net/projects/fuse> .This piece of software is made available under the terms and conditions of the GPL 2.0/LGPLv2 license, which can be found below.

#### fusion (8.7.0)

The original download site for this software is : <https://www.openhub.net/p/linuxfusion> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### gawk (3.1.5)

The original download site for this software is : <http://www.gnu.org/software/gawk/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### gdisk (0.8.1)

The original download site for this software is : <http://www.rodsbooks.com/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### glibc (2.18)

The original download site for this software is : <http://www.gnu.org/software/libc> .This piece of software is made available under the terms and conditions of the LGPL 2.0.1 license, which can be found below.

#### googletest (1.7.0)

The original download site for this software is : <https://github.com/google/googletest> .This piece of software is made available under the terms and conditions of the BSD-3 license, which can be found below.

#### grep (2.5.1a)

The original download site for this software is : <http://www.gnu.org/software/grep/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### gzip (1.3.12)

The original download site for this software is : <http://www.gnu.org/software/gzip/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### harfbuzz (1.4.2)

Libpng, a text shaping library. The original download site for this software is : <http://harfbuzz.org/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### icu (51.1)

ICU is a mature, widely used set of C/C++ and Java libraries providing Unicode and Globalization support for software applications. The original download site for this software is : <http://site.icu-project.org> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### inetutils (1.4.2)

The original download site for this software is : <http://www.gnu.org/software/inetutils/> .This piece of software is made available under the terms and

conditions of the GPL 2.0 license, which can be found below.

#### iptables (1.4.15)

Iptables is a user space application program that allows a system administrator to configure the tables provided by the Linux kernel firewall (implemented as different Netfilter modules) and the chains and rules it stores. Different kernel modules and programs are currently used for different protocols; iptables applies to IPv4. The original download site for this software is : <https://android.googlesource.com/> . This piece of software is made available under the terms and conditions of the GPL 2.0.

#### iputils (s20101006)

Set of small useful utilities for Linux networking. The original download site for this software is : <http://www.skbuff.net/iputils/> . This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### jansson (2.4)

set of small useful utilities for Linux networking. The original download site for this software is : <http://www.digip.org/jansson/> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### jpeg (6b)

The 'libjpeg' library used for jpeg image decode. The original download site for this software is : <http://www.ijg.org/> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### jsonrpc (2.0)

Jsonrpc implements the parsing and validation of the jsonrpc/2.0 request before handing it over to user-defined methods. The original download site for this software is : <https://github.com/pijyoi/jsonrpc> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### libdwarf

Libdwarf is a library and a set of command-line tools for reading and writing DWARF2 and later debugging information. Libdwarf handles the details of the actual format so coders can focus on the content. The original download site for this software is : <https://sourceforge.net/projects/libdwarf/> . This piece of software is made available under the terms and conditions of the LGPL v2.1 license, which can be found below.

#### libelf (0.8.1.3)

The original download site for this software is : <http://www.mr511.de/software/> . This piece of software is made available under the terms and

conditions of the LGPL v2 license, which can be found below.

#### libiconv (1.11.1)

GNU libiconv is a conversion library. To convert between a given text encoding and the users encoding, or to convert between internal string representation (Unicode) and external string representation (a traditional encoding). The original download site for this software is : <http://www.gnu.org/software/libiconv> . This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### libnl (v3.2.29)

The original download site for this software is : <http://www.infradead.org/~tgr/libnl/> . This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### libusb (1.0.9)

The original download site for this software is : <http://libusb.sourceforge.net/> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### libuv (libuv-v1.20.3)

The original download site for this software is : <https://libuv.org> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### libwebsockets (3.0)

The original download site for this software is : <https://libwebsockets.org/> . This piece of software is made available under the terms and conditions of the LGPL 2.1 license, which can be found below.

#### libxml2 (2.7.8)

Libxml2 is the XML C parser and toolkit developed for the Gnome project. The original download site for this software is : <http://www.xmlsoft.org/> . This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### lighttpd (1.4.35)

The original download site for this software is : <http://www.lighttpd.net/download/> . This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### liveMedia (2011.06.12)

The original download site for this software is : <http://www.live555.com> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### lvm2 (2.02.89)

The original download site for this software is : <ftp://sources.redhat.com/pub/lvm2/releases/> .This piece of software is made available under the terms and conditions of the GPL 2.0/LGPLv2.1 license, which can be found below.

#### lz4 (1.8.1.2)

The original download site for this software is : [lz4.github.io/lz4/](http://lz4.github.io/lz4/) .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### lzma (4.65)

The original download site for this software is : <http://www.7-zip.org/sdk.html/> .

#### mng (1.0.10)

Libmng -THE reference library for reading, displaying, writing and examining Multiple-Image Network Graphics.MNG is the animation extension to the popular PNG image-format. The original download site for this software is : <http://sourceforge.net/projects/libmng/files/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### module-init-tools (3.12)

Linux userspace module loading utilities. The original download site for this software is : [https://modules.wiki.kernel.org/index.php/Main\\_Page](https://modules.wiki.kernel.org/index.php/Main_Page) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### mtp (1.1.6)

The original download site for this software is : <http://libmtp.sourceforge.net/> .This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### ncurses (5.7)

Provide character terminal processing library. The original download site for this software is : <http://www.gnu.org/software/ncurses/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### net-tools (1.60)

A program contains network command. The original download site for this software is : <http://www.linuxfromscratch.org/blfs/view/6.3/basicnet/net-tools.html> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### nghttp2 (1.21.1)

nghttp2 is an implementation of Hypertext Transfer

Protocol version 2 in C. The original download site for this software is : <http://nghttp2.org> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### ntfs-3g (2010.5.22)

[ntfs-3g-1.5012.tgz/ntfs-3g-1.5012/libntfs-3g/attrib.c](http://ntfs-3g-1.5012.tgz/ntfs-3g-1.5012/libntfs-3g/attrib.c). The original download site for this software is : <http://www.tuxera.com/community/ntfs-3g-download/> .This piece of software is made available under the terms and conditions of the GPL 2.0/LGPLv2 license, which can be found below.

#### ntfsprogs (2.0.0)

C runtime library. The original download site for this software is : <http://sourceforge.net/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### ogg (1.3.2)

Libogg: a library for audiomixer, that can provide audio mixer. The original download site for this software is : <http://www.vorbis.com> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### openh264 (1.7.0)

Openh264 is a codec library which supports H.264 encoding and decoding. It is suitable for use in real time applications such as WebRTC. The original download site for this software is :<http://www.openh264.org> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### openssh (6.3p1)

Openssh is secure shell protocol version. The original download site for this software is : <ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/portable/openssh-6.3p1.tar.gz> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### openssl (1.0.2g)

The original download site for this software is : <http://www.openssl.org/> .This piece of software is made available under the terms and conditions of the Apache License 1.0 / BSD License, which can be found below.

#### png (1.2.43)

libpng -THE reference library for reading, displaying, writing and examining png Image Network Graphics. The original download site for this software is : <http://sourceforge.net/projects/libpng/files/> .This piece of software is made available under the terms and conditions of the BSD license, which can be

found below.

#### popt (1.16)

The original download site for this software is : <http://packages.debian.org/> .This piece of software is made available under the terms and conditions of the Red Hat Software.

#### procmem (2.0)

The original download site for this software is : [https://github.com/babuneelam/procmem\\_linux\\_x86\\_port](https://github.com/babuneelam/procmem_linux_x86_port) .This piece of software is made available under the terms and conditions of the Apple Public Source License.

#### procps (3.2.8)

Command for watch system process. The original download site for this software is : <http://procps.sourceforge.net/index.html> .This piece of software is made available under the terms and conditions of the LGPLv2 license, which can be found below.

#### procrank (2.0)

The original download site for this software is : [https://github.com/csimmonds/procrank\\_linux](https://github.com/csimmonds/procrank_linux) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### psmisc (22.13)

The original download site for this software is : <http://psmisc.sourceforge.net/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### pugixml (1.8)

The original download site for this software is : <http://pugixml.org/> .This piece of software is made available under the terms and conditions of the MIT license, which can be found below.

#### python (2.7.9)

The original download site for this software is : <http://www.python.org/> .

#### qrencode (3.4.2)

The original download site for this software is : <https://fukuchi.org/works/qrencode/> .This piece of software is made available under the terms and conditions of the LGPLv2 license, which can be found below.

#### rlog (1.4)

The original download site for this software is : <http://www.arg0.net/rlog> .This piece of software is made available under the terms and conditions of the GPL 2.1 license, which can be found below.

#### rng-tools (5)

The original download site for this software is : <http://sourceforge.net/projects/gkernel/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### samba (3.0.37)

Samba is the standard Windows interoperability suite of programs for Linux and Unix. The original download site for this software is : <http://www.samba.org/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### sawman (1.5.3)

The original download site for this software is : <http://www.directfb.org> .This piece of software is made available under the terms and conditions of the LGPLv2 license, which can be found below.

#### sed (4.1.5)

The original download site for this software is : <http://www.gnu.org/software/sed/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### simple-mtpfs (0.2)

The original download site for this software is : <http://freecode.com/projects/simple-mtpfs> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### sqlite (3.8.4.3)

Implements a self-contained, serverless, zero-configuration, transactional SQL database engine. The original download site for this software is : <http://www.sqlite.org/> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### sqlite3 (3.7.2)

Implements a self-contained, serverless, zero-configuration, transactional SQL database engine. The original download site for this software is : <http://www.sqlite.org/> . This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### tar (1.17)

The original download site for this software is : <http://www.gnu.org/software/tar/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### thttpd (2.25b)

The original download site for this software is : <http://acme.com/software/thttpd/> .This piece of

software is made available under the terms and conditions of the BSD license, which can be found below.

#### toybox (0.4.0)

The original download site for this software is : <http://www.landley.net/toybox/downloads/toybox-0.4.0.tar.bz2> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### ttxfont (1.0)

The original download site for this software is : <http://linux.bytesex.org/xawtv/tvfonts/html> [Http://zapping.sourceforge.net/ZVBI/index.html](http://zapping.sourceforge.net/ZVBI/index.html) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### uboot (2011.12)

The uboot will load the linux kernel to dram, and jump to run . The original download site for this software is : <http://www.denx.de> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### udhcp (0.9.9-pre)

Terminal device as a DHCP client. The original download site for this software is : <http://udhcp.sourceforge.net/downloads/0.9.8cvs20050303-3/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### unicode (3.2)

The original download site for this software is : <http://www.icu-project.org/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### uriparser (0.7.7)

The original download site for this software is : <http://uriparser.sourceforge.net/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### util-linux-ng (2.18)

util-linux is a random collection of Linux utilities. The original download site for this software is : <http://userweb.kernel.org/~kzak/util-linux-ng/> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### webp (0.2.1)

libwebp: a library for browser, that can improve the performance of downloading image webp.txt's directory <http://teams.mediatek.inc/dtv/SSD/SS3/Tas/k%20Forces/Forms/AllItems.aspx?RootFolder=%2fdtv>

<http://code.google.com/p/webp/> .This piece of software is made available under the terms and conditions of the BSD license, which can be found below.

#### wget (1.10.2)

Check network for http/https .The original download site for this software is : <http://ftp.gnu.org/gnu/wget/wget-1.10.2.tar.gz> .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### wireless\_tools (v29)

The original download site for this software is : [http://www.hpl.hp.com/personal/Jean\\_Tourrilhes/Linux/Tools.html](http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tools.html) .This piece of software is made available under the terms and conditions of the GPL 2.0 license, which can be found below.

#### wpa\_supplicant (v0.8(wext)/v2.3(cfg80211))

Library used by legacy HAL to talk to wpa\_supplicant daemon.The original download site for this software is : [https://w1.fi/wpa\\_supplicant/](https://w1.fi/wpa_supplicant/) .This piece of software is made available under the terms and conditions of the LGPLv2.1 license, which can be found below.

#### xerces (3.1.1)

C runtime library. The original download site for this software is : <http://xerces.apache.org/> .This piece of software is made available under the terms and conditions of the Apache License Version 2.0, which can be found below.

#### zlib(1.2.3)

The 'zlib' compression library provides in-memory compression and decompression functions, including integrity checks of the uncompressed data. The original download site for this software is : <http://www.zlib.net/> .

#### Hue SDK (1.8.1)

TV ambihue app uses Philips SDK to find the hue bridge nameThe original download site for this software is : <https://developers.meethue.com/documentation/java-multi-platform-and-android-sdk>

#### Opera Web Browser (SDK 4.8.0)

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#### WebKit

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Arphic fonts

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=====

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gives?

Bitstream is giving away these fonts, but  
wishes to ensure its  
competitors can't just drop the fonts as is into  
a font sale system  
and sell them as is. It seems fair that if  
Bitstream can't make money  
from the Bitstream Vera fonts, their  
competitors should not be able to  
do so either. You can sell the fonts as part of  
any software package,  
however.

2. I want to package these fonts separately for  
distribution and  
sale as part of a larger software package or  
system. Can I do so?

Yes. A RPM or Debian package is a "larger  
software package" to begin  
with, and you aren't selling them  
independently by themselves.  
See 1. above.

3. Are derivative works allowed?  
Yes!

4. Can I change or add to the font(s)?  
Yes, but you must change the name(s) of the  
font(s).

5. Under what terms are derivative works allowed?

You must change the name(s) of the fonts.  
This is to ensure the  
quality of the fonts, both to protect Bitstream  
and Gnome. We want to  
ensure that if an application has opened a  
font specifically of these  
names, it gets what it expects (though of  
course, using fontconfig,  
substitutions could still could have occurred  
during font  
opening). You must include the Bitstream  
copyright. Additional  
copyrights can be added, as per copyright law.  
Happy Font Hacking!

6. If I have improvements for Bitstream Vera, is it  
possible they might get  
adopted in future versions?

Yes. The contract between the Gnome  
Foundation and Bitstream has  
provisions for working with Bitstream to ensure  
quality additions to  
the Bitstream Vera font family. Please contact  
us if you have such

additions. Note, that in general, we will want such additions for the entire family, not just a single font, and that you'll have to keep both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add glyphs to the font, they must be stylistically in keeping with Vera's design. Vera cannot become a "ransom note" font. Jim Lyles will be providing a document describing the design elements used in Vera, as a guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

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8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

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libcurl - lib/krb5.c  
URL: <https://github.com/bagder/curl/blob/master/lib/krb5.c>

/\* GSSAPI/krb5 support for FTP - loosely based on old krb4.c

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URL: <https://github.com/bagder/curl/blob/master/lib/security.c>

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dynamic annotations  
URL: <http://code.google.com/p/data-race-test/wiki/DynamicAnnotations>

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The library to input, validate, and display addresses.

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November 12, 2015

libsrtp  
URL: <https://github.com/cisco/libsrtp>

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linux-syscall-support

URL: <http://code.google.com/p/linux-syscall-support/>

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LZ4 - Extremely fast compression

URL: <https://code.google.com/p/lz4/>

LZ4 Library

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Ty Coon, President of Vice

That's all there is to it!

modp base64 decoder

URL: <https://github.com/client9/stringencoders>

\* MODP\_B64 - High performance base64  
encoder/decoder

\* Version 1.3 -- 17-Mar-2006

\* <http://modp.com/release/base64>

\*

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Mojo

URL: <https://github.com/domokit/mojo>

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mt19937ar  
 URL: <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>

A C-program for MT19937, with initialization  
 improved 2002/1/26.

Coded by Takuji Nishimura and Makoto  
 Matsumoto.

Before using, initialize the state by using  
 init\_genrand(seed)  
 or init\_by\_array(init\_key, key\_length).

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Netscape Plugin Application Programming Interface  
 (NPAPI)

URL: <http://mxr.mozilla.org/mozilla-central/source/modules/plugin/base/public/>

Version: MPL 1.1/GPL 2.0/LGPL 2.1

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OpenMAX DL

URL: <https://silver.arm.com/download/Software/Graphics/OX000-BU-00010-r1p0-00bet0/OX000-BU-00010-r1p0-00bet0.tgz>

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opus

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PLY (Python Lex-Yacc)  
URL: <http://www.dabeaz.com/ply/ply-3.4.tar.gz>

PLY (Python Lex-Yacc)  
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Protocol Buffers  
URL: <http://protobuf.googlecode.com/svn/trunk>

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Quick Color Management System  
URL: <https://github.com/jrmuizel/qcms/tree/v4>

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re2 - an efficient, principled regular expression library

URL: <https://github.com/google/re2>

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sfntly

URL: <https://github.com/googlei18n/sfntly>

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Snappy: A fast compressor/decompressor

URL: <http://google.github.io/snappy/>

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URL: <http://zlib.net/>

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.4, March 14th, 2010

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# Hilfe und Support

## 13.1

## Fehlerbehebung

### Einschalten und Fernbedienung

Der Fernseher lässt sich nicht einschalten.

- Trennen Sie das Stromkabel vom Netzanschluss. Warten Sie eine Minute, und schließen Sie das Stromkabel wieder an.
- Prüfen Sie, ob das Stromkabel sicher angeschlossen ist.

Es ertönt ein Knackgeräusch beim Ein- oder Ausschalten.

Beim Ein-/Ausschalten des Fernsehers oder beim Schalten in den Standby-Modus hören Sie ein Knackgeräusch im Gehäuse. Die Knackgeräusche sind normal und entstehen, wenn sich der Fernseher beim Aufwärmen oder Abkühlen dehnt. Dies hat keinen Einfluss auf die Leistung des Geräts.

Der Fernseher reagiert nicht auf die Fernbedienung.

Der Fernseher benötigt eine gewisse Aufwärmzeit. In dieser Zeit reagiert der Fernseher nicht auf die Fernbedienung oder die frontseitigen Bedienelemente. Das ist normal.

Wenn der Fernseher weiterhin nicht auf die Fernbedienung reagiert, können Sie die Funktion der Fernbedienung mit der Kamera eines Mobiltelefons prüfen. Starten Sie die Kamerafunktion auf dem Telefon, und zeigen Sie mit der Fernbedienung auf das Kameraobjektiv. Wenn Sie eine beliebige Taste auf der Fernbedienung drücken und über die Kamera die Infrarot-LED aufleuchten sehen, funktioniert die Fernbedienung, und der Fernseher muss überprüft werden.

Wenn die LED nicht aufleuchtet, ist die Fernbedienung möglicherweise defekt, oder die Batterien sind leer.

Diese Prüfmethode für die Fernbedienung funktioniert nicht bei Fernbedienungen, die kabellos mit dem Fernseher gekoppelt sind.

Nach der Anzeige des Philips Startbildschirms wechselt der Fernseher wieder in den Standby-Modus.

Wenn sich der Fernseher im Standby-Modus befindet, wird ein Philips Startbildschirm angezeigt, und der Fernseher kehrt anschließend in den Standby-Modus zurück. Das ist normal. Wenn der Fernseher von der Stromversorgung getrennt und dann wieder angeschlossen wird, wird beim nächsten Einschalten des Geräts der Startbildschirm angezeigt. Wenn Sie

den Fernseher aus dem Standby-Modus einschalten möchten, drücken Sie **⏻** auf der Fernbedienung des Fernsehers.

Die Standby-Anzeige blinkt dauerhaft.

Trennen Sie das Stromkabel vom Netzanschluss. Warten Sie fünf Minuten, bevor Sie das Netzkabel wieder anschließen. Kontaktieren Sie das Philips Kundendienstzentrum, falls das Blinken erneut auftritt.

## Programme

Während der Installation wurden keine digitalen Sender gefunden.

Lesen Sie die technischen Spezifikationen, um sicherzustellen, dass Ihr Fernseher DVB-T oder DVB-C in Ihrem Land unterstützt.

Vergewissern Sie sich, dass alle Kabel ordnungsgemäß angeschlossen sind und dass das korrekte Netzwerk ausgewählt wurde.

Installierte Sender werden in der Senderliste nicht angezeigt.

Prüfen Sie, ob die korrekte Senderliste ausgewählt wurde.

## Bild

Kein Bild/verzerrtes Bild.

- Prüfen Sie, ob die Antenne korrekt mit dem Fernseher verbunden ist.
- Prüfen Sie, ob das korrekte Gerät als Quelle für die Anzeige ausgewählt wurde.
- Prüfen Sie, ob das externe Gerät bzw. die externe Quelle korrekt angeschlossen ist.

Ton, aber kein Bild.

- Prüfen Sie, ob die Bildeinstellungen korrekt sind.

Schlechter Antennenempfang.

- Prüfen Sie, ob die Antenne korrekt mit dem Fernseher verbunden ist.
- Lautsprecher, nicht geerdete Audiogeräte, Neonlicht, hohe Gebäude und andere große Objekte können die Empfangsqualität beeinträchtigen. Versuchen Sie, die Bildqualität zu verbessern, indem Sie die Ausrichtung der Antenne ändern oder den Abstand zu anderen Geräten vergrößern.
- Falls die Empfangsqualität nur bei einem Sender schlecht ist, nehmen Sie für diesen Sender eine Feinabstimmung vor.

Schlechtes Bild über ein Gerät.

- Stellen Sie sicher, dass das Gerät ordnungsgemäß angeschlossen ist.
- Prüfen Sie, ob die Bildeinstellungen korrekt sind.

Das Bild passt nicht auf den Bildschirm.

Wechseln Sie zu einem anderen Bildformat.

#### **Die Position des Bilds ist nicht korrekt.**

Die Bildsignale mancher Geräte passen u. U. nicht richtig auf den Bildschirm. Überprüfen Sie den Signalausgang des angeschlossenen Geräts.

#### **Das Computerbild ist nicht stabil.**

Prüfen Sie, ob Ihr PC die unterstützte Auflösung und die Wiederholrate verwendet.

---

## **Ton**

#### **Kein Ton oder schlechte Tonqualität.**

Falls kein Audiosignal erkannt wird, schaltet der Fernseher den Ton automatisch aus.

- Prüfen Sie, ob die Toneinstellungen korrekt sind.
- Prüfen Sie, ob alle Kabel korrekt angeschlossen sind.
- Prüfen Sie, ob die Lautstärke stummgeschaltet oder auf Null eingestellt ist.
- Prüfen Sie, ob der Audioausgang des Fernsehers mit dem Audioeingang am Home Entertainment-System verbunden ist.

Sie sollten Ton aus den HTS-Lautsprechern hören.

- Bei einigen Geräten müssen Sie die HDMI-Audioausgabe möglicherweise manuell aktivieren. Falls HDMI-Audio bereits aktiviert wurde, Sie aber immer noch kein Audiosignal hören, versuchen Sie, das digitale Audioformat des Geräts zu PCM (Pulse Code Modulation) zu ändern. Anweisungen hierzu finden Sie in der Dokumentation Ihres Geräts.

---

## **Anschlüsse**

### **HDMI**

- Bitte beachten Sie, dass es bei HDCP-Unterstützung zu Verzögerungen bei der Anzeige von Inhalten von HDMI-Geräten über den Fernseher kommen kann.
- Falls der Fernseher das HDMI-Gerät nicht erkennt und kein Bild angezeigt wird, schalten Sie erst auf ein anderes Gerät und anschließend wieder auf das ursprüngliche Gerät um.
- Wenn Tonunterbrechungen auftreten, prüfen Sie, ob die Ausgabeeinstellungen des HDMI-Geräts korrekt sind.
- Wenn Sie einen HDMI-auf-DVI-Adapter oder ein HDMI-auf-DVI-Kabel verwenden, muss ein zusätzliches Audiokabel an AUDIO IN (nur Minibuchse) angeschlossen sein.

#### **EasyLink funktioniert nicht.**

- Prüfen Sie, ob Ihre HDMI-Geräte HDMI-CEC-kompatibel sind. Die EasyLink-Funktionen können nur mit HDMI-CEC-kompatiblen Geräten verwendet werden.

Es wird kein Lautstärkesymbol angezeigt.

- Wenn ein HDMI-CEC-Audiogerät angeschlossen ist, ist dieses Verhalten normal.

#### **Fotos, Videos und Musik von einem USB-Gerät werden nicht angezeigt.**

- Stellen Sie das USB-Speichergerät wie in der Bedienungsanleitung beschrieben so ein, dass es mit der Klasse der Massenspeicher kompatibel ist.
- Prüfen Sie, ob das USB-Speichergerät mit Ihrem Fernseher kompatibel ist.
- Prüfen Sie, ob die Audio- und Bilddateiformate von Ihrem Fernseher unterstützt werden.

#### **USB-Dateien werden abgehackt wiedergegeben.**

- Die Übertragungsleistung des USB-Speichergeräts kann die Datenübertragungsrate zum Fernseher einschränken, was eine schlechte Wiedergabequalität zur Folge hat.

---

## **WiFi, Internet und Bluetooth**

#### **WiFi-Netzwerk wurde nicht gefunden oder ist gestört**

- Mikrowellenherde, DECT-Telefone oder andere Geräte mit WiFi 802.11b/g/n/ac in der Nähe können möglicherweise Störungen im WLAN-Netzwerk verursachen.
- Stellen Sie sicher, dass Sie über die Firewalls im Netzwerk Zugriff auf die kabellose Verbindung mit dem Fernseher erlauben.
- Wenn das kabellose Netzwerk nicht ordnungsgemäß funktioniert, testen Sie die kabelgebundene Netzwerkinstallation.

#### **Das Internet funktioniert nicht**

- Prüfen Sie, falls die Verbindung zum Router ordnungsgemäß funktioniert, die Verbindung des Routers mit dem Internet.

#### **Der PC und die Internetverbindung sind langsam**

- Informieren Sie sich in der Bedienungsanleitung des kabellosen Routers über die Reichweite in Innenräumen, die Übertragungsrate und über die anderen Faktoren zur Signalqualität.
- Sie benötigen für den Router eine Hochgeschwindigkeitsverbindung (Breitband) zum Internet.

#### **DHCP**

- Wenn keine Verbindung hergestellt werden kann, überprüfen Sie die DHCP-Einstellung (Dynamic Host Configuration Protocol) des Routers. DHCP sollte aktiviert sein.

#### **Bluetooth-Verbindung unterbrochen**

- Orte mit hoher kabelloser Aktivität – Wohnungen mit vielen kabellosen Routern – können die kabellose Verbindung beeinträchtigen.

---

## Netzwerk

WiFi-Netzwerk wurde nicht gefunden oder ist gestört

- Mikrowellenherde, DECT-Telefone oder andere Geräte mit WiFi 802.11b/g/n/ac in der Nähe können möglicherweise Störungen im WLAN-Netzwerk verursachen.
- Stellen Sie sicher, dass Sie über die Firewalls im Netzwerk Zugriff auf die kabellose Verbindung mit dem Fernseher erlauben.
- Wenn das kabellose Netzwerk nicht ordnungsgemäß funktioniert, testen Sie die kabelgebundene Netzwerkinstallation.

**Das Internet funktioniert nicht**

- Prüfen Sie, falls die Verbindung zum Router ordnungsgemäß funktioniert, die Verbindung des Routers mit dem Internet.

**Der PC und die Internetverbindung sind langsam**

- Informieren Sie sich in der Bedienungsanleitung des kabellosen Routers über die Reichweite in Innenräumen, die Übertragungsrate und über die anderen Faktoren zur Signalqualität.
- Sie benötigen für den Router eine Hochgeschwindigkeitsverbindung (Breitband) zum Internet.

**DHCP**

- Wenn keine Verbindung hergestellt werden kann, überprüfen Sie die DHCP-Einstellung (Dynamic Host Configuration Protocol) des Routers. DHCP sollte aktiviert sein.

---

13.2

## Online-Hilfe

Um Probleme mit Ihrem Fernseher von Philips zu lösen, können Sie sich an unseren Online-Support wenden. Sie können Ihre Sprache auswählen und Ihre Produkt-/Modellnummer eingeben.

Besuchen Sie [www.philips.com/support](http://www.philips.com/support).

Auf der Support-Website finden Sie nicht nur Antworten auf häufig gestellte Fragen (FAQs), sondern auch die für Ihr Land relevante Telefonnummer, über die Sie uns kontaktieren können. In einigen Ländern können Sie sich mit Fragen direkt per Chat an einen unserer Partner wenden oder eine E-Mail schreiben. Sie können neue Fernsehersoftware oder die Anleitung herunterladen und diese auf dem Computer lesen.

---

13.3

## Support und Reparatur

Support und Reparaturen erhalten Sie unter der Hotline des Service-Centers in Ihrem Land. Unsere Servicetechniker kümmern sich um eine Reparatur, falls erforderlich.

Die Telefonnummer finden Sie in der gedruckten Dokumentation, die Sie gemeinsam mit dem Fernseher erhalten haben.

Besuchen Sie alternativ unsere Website unter [www.philips.com/support](http://www.philips.com/support), und wählen Sie bei Bedarf Ihr Land aus.

**TV-Modellnummer und Seriennummer**

Sie werden eventuell nach der Modell-/Seriennummer Ihres Geräts gefragt. Diese Nummern finden Sie auf dem Verpackungsetikett oder auf dem Typenschild an der Unter- oder Rückseite des Fernsehers.

### **Warnung**

Versuchen Sie nicht, den Fernseher selbst zu reparieren. Dies kann zu schweren Verletzungen, irreparablen Schäden an Ihrem Fernseher oder dem Verfall Ihrer Garantie führen.

# Sicherheit und Sorgfalt

## Sicherheit

### Wichtig!

Lesen Sie alle Sicherheitsanweisungen gründlich durch, bevor Sie den Fernseher verwenden. Für Schäden, die durch Nichtbeachtung der Anweisungen verursacht wurden, haben Sie keinen Garantieanspruch.

Keine Änderung dieses Geräts ohne Genehmigung des Herstellers.

### Risiko von Stromschlägen und Brandgefahr

- Setzen Sie den Fernseher niemals Regen oder Wasser aus. Platzieren Sie niemals Behälter mit Flüssigkeiten, wie z. B. Vasen, in der Nähe des Fernsehers.

Wenn der Fernseher außen oder innen mit Flüssigkeit in Kontakt kommt, trennen Sie den Fernseher sofort vom Stromnetz.

Kontaktieren Sie das Philips Service-Center, um den Fernseher vor der erneuten Nutzung überprüfen zu lassen.

- Setzen Sie den Fernseher, die Fernbedienung und die Batterien niemals übermäßiger Hitze aus. Platzieren Sie sie nie in der Nähe von brennenden Kerzen, offenem Feuer oder anderen Wärmequellen. Dies schließt auch direkte Sonneneinstrahlung ein.
- Führen Sie keine Gegenstände in die Lüftungsschlitze oder andere Öffnungen des Fernsehers ein.
- Stellen Sie niemals schwere Objekte auf das Netzkabel.
- Stellen Sie sicher, dass der Netzstecker keinen mechanischen Belastungen ausgesetzt wird. Lockere Netzstecker können Funkenüberschlag oder Feuer verursachen. Stellen Sie sicher, dass keine Zuglast auf das Netzkabel ausgeübt wird, wenn der Bildschirm gedreht wird.
- Um den Fernseher von der Stromversorgung zu trennen, muss der Netzstecker aus der Steckdose gezogen werden. Ziehen Sie dazu niemals am Kabel, sondern immer am Stecker. Stellen Sie sicher, dass der Zugang zum Netzstecker, Netzkabel und zur Steckdose jederzeit frei ist.

### Verletzungsgefahr oder Beschädigungsgefahr für den Fernseher

- Zum Heben und Tragen eines Fernsehers mit einem Gewicht von über 25 kg sind zwei Personen erforderlich.
- Wenn Sie den Fernseher auf einem Standfuß aufstellen möchten, verwenden Sie nur den mitgelieferten Standfuß, und befestigen Sie ihn fest am Fernseher.
- Stellen Sie den Fernseher auf eine flache, ebene Fläche, die für das gesamte Gewicht des Fernsehers und des Sockels geeignet ist.
- Stellen Sie bei einer Wandmontage sicher, dass die Wandhalterung für das Gewicht des Fernsehers geeignet ist. TP Vision übernimmt keine Haftung für unsachgemäße Wandmontage oder daraus resultierende Unfälle oder Verletzungen.
- Teile dieses Produkts sind aus Glas. Seien Sie vorsichtig, um Verletzungen oder Beschädigungen zu vermeiden.

#### Gefahr der Beschädigung des Fernsehers

Bevor Sie den Fernseher mit dem Stromnetz verbinden, sollten Sie sicherstellen, dass die Stromspannung dem auf der Rückseite des Geräts angegebenen Wert entspricht. Schließen Sie den Fernseher nicht an die Steckdose an, wenn die Spannung einen anderen Wert aufweist.

### Stabilitätsgefahren

Der Fernseher kann herunterfallen und schwere Verletzungen oder Todesfälle verursachen. Viele Verletzungen, insbesondere bei Kindern, können durch einfache Vorsichtsmaßnahmen wie die Folgenden verhindert werden:

- Stellen Sie JEDERZEIT sicher, dass das Fernsehgerät nicht über den Rand der tragenden Möbel hinausragt.
- Verwenden Sie IMMER die vom Hersteller empfohlenen Gehäuse, Standfüße oder Befestigungen.
- Verwenden Sie IMMER Möbel, die den Fernseher sicher stützen können.
- Weisen Sie Kinder IMMER auf die Gefahren des Kletterns auf Möbelstücke hin, um den Fernseher oder die dazugehörigen Fernbedienungen zu erreichen.
- Verlegen Sie mit dem Fernseher verbundene Netzkabel und Kabel IMMER so, dass nicht an ihnen gezogen oder nach ihnen gegriffen werden kann und keine Stolpergefahr besteht.
- Stellen Sie den Fernseher NIE an einem instabilen Ort auf.
- Stellen Sie den Fernseher NIE auf hohe Möbelstücke (z. B. einen Schrank oder ein Bücherregal), ohne

sowohl das Möbelstück als auch den Fernseher durch geeignete Hilfsmittel zu sichern.

- Stellen Sie den Fernseher NIE auf ein Tuch oder andere Materialien, die sich zwischen dem Fernseher und den entsprechenden Möbeln befinden.
- Stellen Sie NIE Spielzeug oder Fernbedienungen, die Kinder zum Klettern verleiten können auf das Fernsehgerät oder das Möbelstück, auf dem sich der Fernseher befindet.

Wenn Sie den Fernseher aufbewahren oder verlagern wollen, sollten die oben beschriebenen Maßnahmen berücksichtigt werden.

---

## Gefahr durch Batterien

- Verschlucken Sie die Batterie nicht.  
Verätzungsgefahr!
- Die Fernbedienung enthält möglicherweise eine Knopfzellenbatterie. Wenn die Knopfzelle verschluckt wird, kann sie in nur zwei Stunden zu schweren Verätzungen und zum Tod führen.
- Bewahren Sie neue und gebrauchte Batterien außerhalb der Reichweite von Kindern auf.
- Wenn sich das Batteriefach nicht sicher verschließen lässt, verwenden Sie das Produkt nicht mehr und bewahren Sie es außerhalb der Reichweite von Kindern auf.
- Wenn Sie denken, dass Batterien verschluckt oder in Körperöffnungen gesteckt wurden, suchen Sie umgehend einen Arzt auf.
- Es besteht Explosions- oder Brandgefahr, wenn die Batterie durch einen falschen Batterietyp ersetzt wird.
- Der Austausch einer Batterie durch einen falschen Batterietyp kann eine Sicherung außer Kraft setzen (z. B. bei einigen Lithiumbatterien).
- Die Entsorgung einer Batterie in einem Feuer oder heißen Ofen oder mechanisches Zerstoßen oder Schneiden einer Batterie kann zu einer Explosion führen.
- Wenn Sie eine Batterie in einer Umgebung mit extrem hohen Temperaturen aufbewahren, kann dies zu einer Explosion oder dem Austritt von brennbaren Flüssigkeiten oder Gasen führen.
- Wenn eine Batterie einem extrem niedrigen Luftdruck ausgesetzt ist, kann dies zu einer Explosion oder dem Austritt von brennbaren Flüssigkeiten oder Gasen führen.

---

## Risiko der Überhitzung

Platzieren Sie den Fernseher nie in einem geschlossenen Bereich. Der Fernseher benötigt einen Lüftungsabstand von mindestens 10 cm um das Gerät herum. Stellen Sie sicher, dass Vorhänge und andere Gegenstände die Lüftungsschlitze des Fernsehers nicht abdecken.

---

## Gewitter

Trennen Sie den Fernseher vor Gewittern vom Netz- und Antennenanschluss.  
Berühren Sie den Fernseher, das Netzkabel oder das Antennenkabel während eines Gewitters nicht.

---

## Gefahr von Hörschäden

Vermeiden Sie den Einsatz von Ohrhörern oder Kopfhörern bei hohen Lautstärken bzw. über einen längeren Zeitraum.

---

## Niedrige Temperaturen

Wenn der Fernseher bei Temperaturen unter 5 °C transportiert wird, packen Sie den Fernseher aus, und warten Sie, bis er Zimmertemperatur erreicht hat, bevor Sie ihn mit dem Netzanschluss verbinden.

---

## Luftfeuchtigkeit

In seltenen Fällen kann es je nach Temperatur und Luftfeuchtigkeit zu einer geringfügigen Kondensation an der Innenseite der Glasfront Ihres Fernsehers (bei einigen Modellen) kommen. Um dies zu vermeiden, setzen Sie den Fernseher weder direktem Sonnenlicht noch Hitze oder extremer Feuchtigkeit aus. Tritt dennoch eine Kondensation auf, geht sie von selbst zurück, wenn Sie den Fernseher einige Stunden verwenden.

Die Kondensationsfeuchtigkeit führt nicht zu Beschädigungen oder Fehlfunktionen des Fernsehers.

---

14.2

## Bildschirmpflege

- Berühren Sie den Bildschirm nicht mit Gegenständen, drücken oder streifen Sie nicht mit Gegenständen über den Bildschirm.
- Trennen Sie vor dem Reinigen den Netzstecker des Fernsehers von der Steckdose.
- Reinigen Sie den Fernseher und den Rahmen vorsichtig mit einem weichen feuchten Tuch. Verwenden Sie keine Substanzen wie Alkohol, Chemikalien oder Haushaltsreiniger.
- Um Verformungen und Farbausbleichungen zu vermeiden, müssen Wassertropfen so rasch wie möglich abgewischt werden.
- Vermeiden Sie nach Möglichkeit die Wiedergabe von Standbildern. Standbilder sind Bilder, die über einen längeren Zeitraum auf dem Bildschirm verbleiben. Dazu gehören beispielsweise Bildschirmmenüs, schwarze Balken und Zeitanzeigen.



Wenn Sie Standbilder wiedergeben möchten, verringern Sie den Kontrast und die Helligkeit des Bildschirms, um ihn vor Beschädigungen zu schützen.

---

14.3

## GERÄTE FÜR MEDIZINISCHE EINRICHTUNGEN

Wenn dieser Fernseher für Unterhaltungszwecke in einem Krankenhaus, einem Pflegeheim, einer medizinischen Einrichtung oder einer ähnlichen Einrichtung des Gesundheitswesens vorgesehen ist, in der die Installation auf einen sicheren, ungefährlichen Bereich beschränkt ist, muss er an der Wand oder an der Decke montiert werden.

Er ist nicht für den Einsatz im Intensivpflegebereich vorgesehen, in dem ein Patient mit einem externen elektrischen Leiter, der an das Herz angeschlossen ist, behandelt wird, wie z. B. einer Sonde, einem Katheter

oder einer anderen Elektrode. Während des Aufenthalts in einer Gesundheitseinrichtung erfolgt jedoch ein Kontakt zwischen Gerät und Patient.

---

14.4

## Erklärung zur Strahlenbelastung (nur bei integriertem WLAN)

Dieses Gerät entspricht den CE-Grenzwerten für die Strahlenbelastung in einer unkontrollierten Umgebung. Dieses Gerät sollte mit einem Mindestabstand von 20 cm zwischen der Strahlungsquelle und Körpern installiert und betrieben werden.

Die Frequenz, der Modus und die maximale Sendeleistung in der EU sind im Folgenden aufgeführt:

-2.400 bis 2.483,5 MHz: < 20 dBm (EIRP), nur für 2,4 G-Produkte.

-5150 bis 5250 MHz: < 23 dBm (EIRP)

-5250 bis 5350 MHz: < 23 dBm (EIRP)

-5470 bis 5725 MHz: < 27 dBm (EIRP)

-5725 bis 5825 MHz: < 13,98 dBm (EIRP)

# Nutzungsbedingungen

## Nutzungsbedingungen – Fernseher

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### Pixeleigenschaften

Dieser Fernseher verfügt über eine hohe Anzahl von Farbpixeln. Obwohl der Prozentsatz der funktionsfähigen Pixel mindestens 99,999 % beträgt, können auf dem Bildschirm permanent dunkle oder helle Lichtpunkte (rot, grün oder blau) vorhanden sein. Hierbei handelt es sich um eine bauartbedingte Eigenschaft der Anzeige (innerhalb allgemeiner Industriestandards) und nicht um eine Fehlfunktion.

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TP Vision produziert und vertreibt viele Endkundenprodukte, die, wie jedes elektronische Gerät im Allgemeinen, elektromagnetische Signale aussenden und empfangen können. Eines der grundsätzlichen Unternehmensprinzipien von TP Vision ist es, für unsere Produkte alle notwendigen Gesundheits- und Sicherheitsmaßnahmen zu ergreifen, um allen anwendbaren rechtlichen Anforderungen zu entsprechen und die zum Zeitpunkt der Herstellung des Produkts anwendbaren EMF-Normen in vollem Maße einzuhalten.

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### HDMI

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### DTS-HD Premium Sound™

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### Kensington

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