

# Brukerhåndbok

32HFL5014  
43HFL5014  
43HFL6014U  
50HFL5014  
50HFL6014U  
55HFL6014U  
65HFL6014U

**PHILIPS**

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# TV-omvisning

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## Profesjonell modus

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### Hva du kan gjøre

Når Profesjonell modus er satt til ON, har du tilgang til en rekke ekspertinnstillinger som gir deg avansert kontroll over TV-ens tilstand eller for å legge til flere funksjoner.

Denne modusen er tiltenkt installasjoner av TV-er på for eksempel hoteller, cruiseskip, stadioner eller andre typer forretningsområder der slik kontroll kreves.

Hvis du bruker TV-en hjemme, anbefales det at Profesjonell modus er satt til OFF.

Se installasjonshåndboken for profesjonell modus for mer informasjon.

# Oppsett

## 2.1

### Les om sikkerhet

Les sikkerhetsinstruksjonene før du tar i bruk TV-en.

## 2.2

### TV-stativ og veggmontering

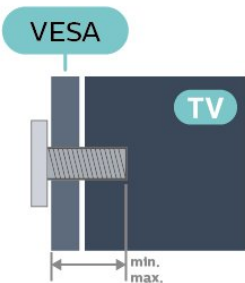
#### TV-stativ

Du finner monteringsinstruksjonene for TV-stativet i hurtigveiledningen som fulgte med fjernsynet. Hvis du har mistet denne veiledningen, kan du laste den ned fra [www.philips.com](http://www.philips.com).

Bruk produkttypenummeret på TV-en til å søke etter den riktige hurtigveiledningen du vil laste ned.

#### Veggmontering

TV-en er klargjort for en VESA-kompatibel veggmonteringsbrakett (selges separat).  
Bruk følgende VESA-kode når du kjøper veggfeste: ...



- 43HFL6014U  
VESA MIS-F 200x200, M6 (min.: 10 mm, maks.:15 mm)
- 50HFL6014U  
VESA MIS-F 200x200, M6 (min.: 10 mm, maks.:15 mm)
- 55HFL6014U  
VESA MIS-F 300x200, M6 (min.: 11mm, maks.:14mm)
- 65HFL6014U  
VESA MIS-F 400x200, M6 (min.: 11mm, maks.:14mm)

- 32HFL5014  
VESA MIS-F 100, M6 (min.: 12 mm, maks.:15 mm)
- 43HFL5014  
VESA MIS-F 200x200, M6 (min.: 12 mm, maks.:15 mm)

- 50HFL5014  
VESA MIS-F 200x200, M6 (min.: 10 mm, maks.:16 mm)

#### Forberedelse

Først tar du de fire skruhetene i plast ut av de gjengede bøsningene på baksiden av TV-en (For 5014 43" og 6014U).  
Sørg for at metallskruene som brukes til å montere TV-en på den VESA-kompatible braketten, føres ca. 10 mm inn i de gjengede bøsningene til TV-en.

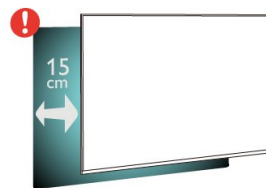
#### Forsiktig

Det kreves spesielle ferdigheter å montere TV-en på vegg. Dette bør kun gjøres av kvalifisert personell. Veggmontering av TV-en må overholde sikkerhetsstandardene i henhold til vekten på TV-en. Les også sikkerhetsinformasjonen nøye før du plasserer TV-en.  
TP Vision Europe B.V. påtar seg ikke ansvar for feilmontering eller montering som fører til ulykker eller skader.

## 2.3

### Tips om plassering

- Plasser TV-en slik at det ikke kommer lys rett på skjermen.
- Den ideelle avstanden for å se på TV er tre ganger den diagonale skjermstørrelsen. Når du sitter, bør øynene dine være på høyde med midten av skjermen.
- Når TV-en veggmonteres, må du plassere TV-en opptil 15 cm ut fra vegg.



#### Merk:

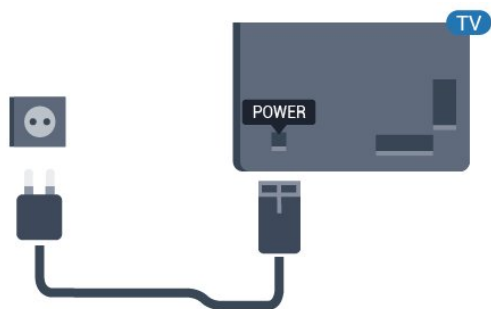
Hold TV-en unna støvproduserende kilder som ovner. Det anbefales å rengjøre støv regelmessig for å unngå å få støv inn i TV-en.

## 2.4

### Strømkabel

- Plugg strømkabelen i POWER-kontakten bak på TV-en.
- Sørg for at strømkabelen sitter godt fast i kontakten.
- Sørg for at støpselet i vegguttaket alltid er tilgjengelig.

- Når du kobler fra strømkabelen, må du alltid dra i støpselet, aldri i kabelen.



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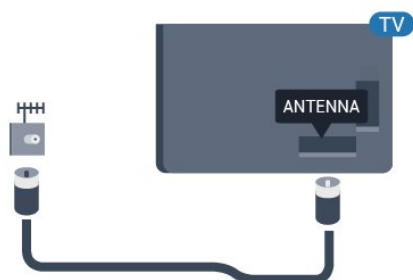
2.5

## Antennekabel

Plugg antennestøpselet godt fast i antenneuttaket bak på TV-en.

Du kan koble til din egen antenne eller et antennesignal fra et antenedistribusjonssystem. Bruk en koaksial IEC RF-antennekontakt på 75 ohm.

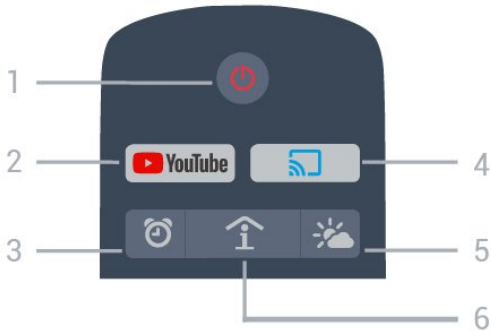
Bruk denne antennekontakten til DVB-T- og DVB-C-inngangssignaler.



# Fjernkontroll

## Oversikt over knapper

### topp



1 - Standby / På

Slår TV-en på eller tilbake i standby-modus.

2 - Youtube

Åpner Youtube.

3 - Alarm (bare når Profesjonell modus er ON)

Stiller inn alarmen.

4 - Google Cast (bare når Profesjonell modus er ON)

Gjenspeiler innholdet på mobilenhetsskjermen på TV-en.

5 - Vær (bare når Profesjonell modus er ON)

Viser værmelding på stedet du befinner deg.

6 - SMART INFO (bare når Profesjonell modus er ON)

Viser informasjon fra hotellet.

1 - SETTINGS

Åpner innstillingsmenyen.

2 - TV GUIDE

Åpner en liste over gjeldende og oppsatte TV-programmer på kanalene.

3 - BACK

- Går tilbake til forrige valgte kanal.
- Går tilbake til forrige meny.

4 - OPTIONS

Åpner eller lukker alternativmenyen.

5 - OK-tast

Bekrefter et valg eller en innstilling.

6 - Pil- / navigasjons-taster

Navigerer opp , ned , til venstre eller til høyre .

7 - Kanal

Bytter til neste eller forrige kanal i kanallisten.

8 - EXIT

Bytter tilbake til å se på TV.

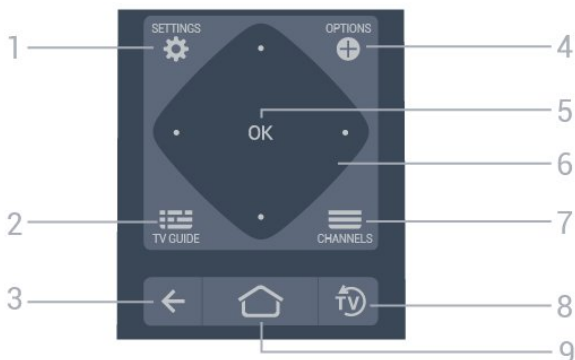
9 - Home

Åpner Hjem-menyen.

### Bunn



### Midten



1 -  Volum

Justerer lydstyrken.

2 -  Fargetaster

Direkte valg av alternativer.

3 -  CLOCK

Viser klokka.

4 -  Kanal

Bytter til neste eller forrige kanal i kanallisten.

5 -  Demp

Demper eller gjenoppretter lyden.

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3.2

## IR-sensor

TV-en kan motta kommandoer fra en fjernkontroll som bruker IR (infrarødt) til å sende kommandoer. Hvis du bruker en slik fjernkontroll, må du alltid påse at du retter fjernkontrollen mot den infrarøde sensoren på forsiden av TV-en.

### Advarsel

Ikke plasser gjenstander foran den infrarøde sensoren til TV-en. Dette kan sperre for det infrarøde signalet.

---


3.3

## Batterier

Hvis TV-en ikke reagerer på tastetrykk på fjernkontrollen, kan det hende at batteriene er tomme.

Du bytter batterier ved å åpne batterirommet på tastatussiden av fjernkontrollen.

1 - Skyv batteridøren i pilens retning.

2 - Bytt de gamle batteriene med to 1,5 V-batterier av typen AAA-R03. Pass på at + og  på batteriene vender riktig vei.

3 - Sett batteridøren på plass, og skyv den tilbake til den klikker på plass.

- Ta ut batteriene hvis du ikke skal bruke fjernkontrollen på en lang stund.
- Kvitt deg med de gamle batteriene på en trygg måte i henhold til veiledningen for endt bruk.

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3.4

## Rengjøring

Fjernkontrollen er behandlet med et ripesikkert belegg.

Rengjør fjernkontrollen med en myk, fuktig klut. Bruk aldri stoffer som alkohol, kjemikalier eller rengjøringsmidler på fjernkontrollen.



# Slå på og av

## 4.1


### På eller Standby

Kontroller at TV-en er koblet til nettstrømmen. Koble til den medfølgende strømkabelen i AC-inngangen på baksiden av TV-en. Indikatorlampen nederst på TV-en lyser.

#### Slå på

Slå på TV-en ved å trykke på  på fjernkontrollen. Du kan eventuelt trykke på  Hjem. Hvis du har mistet fjernkontrollen eller den er tom for batteri, kan du også trykke på den lille joystick-tasten på baksiden av TV-en for å slå av TV-en.

#### Gå til standby

Hvis du vil sette TV-en i standby, trykker du på  på fjernkontrollen. Du kan også trykke på den lille joystick-tasten på baksiden av TV-en.



TV-en er fremdeles koblet til nettstrømmen i standby-modus, men forbruker svært lite strøm.

Hvis du vil slå TV-en helt av, kobler du fra strømkabelen.

Når du kobler fra strømledningen, skal du alltid dra i støpselet, aldri i ledningen. Påse at du har full tilgang til støpselet, strømledningen og stikkontakten hele tiden.





## 4.2

### Knapper på fjernsynet

Hvis du har mistet fjernkontrollen eller den er tom for batteri, kan du fremdeles utføre grunnleggende handlinger på TV-en.


Slik åpner du den grunnleggende menyen

1 - Med TV-en slått på trykker du på joystick-tasten på baksiden av TV-en for å åpne den grunnleggende menyen.

2 - Trykk på venstre eller høyre for å velge  Volum,  Kanal eller  Kilder. Velg  Demo for å starte en demo-film.

3 - Trykk opp eller ned for å justere volumet eller gå til neste eller forrige kanal. Trykk opp eller ned for å gå gjennom listen med kilder, inkludert valg av tuner. Trykk på joystick-tasten for å starte demo-filmen.

4 - Menyen forsvinner automatisk.

Hvis du vil sette TV-en i standby, velger du  og trykker på joystick-tasten.





# Beskrivelser

## 5.1

### Miljøet

#### EUs energimerke

EUs energimerke gir informasjon om produktets energiklasse. Jo grønnere energiklassen er, desto lavere er energiforbruket.

På energimerket står energiklassen, produktets gjennomsnittlige strømforbruk ved bruk og gjennomsnittlige energiforbruk for ett år. Du kan også finne verdiene for produktets strømforbruk på Philips' webområde for landet ditt på [www.philips.com/TV](http://www.philips.com/TV)

#### Produktkort

##### 43HFL6014U

- Energieffektivitetsklasse: A
- Synlig skjermstørrelse: 108 cm / 43 tommer
- Strømforbruk i på-modus (W): 67 W
- Årlig energiforbruk (kWh)\*: 98 kWh
- Strømforbruk i standbymodus (W)\*\*: 0,3 W
- Skjermoppløsning (piksler): 3840 x 2160p

##### 50HFL6014U

- Energieffektivitetsklasse: A+
- Synlig skjermstørrelse: 126 cm / 50 tommer
- Strømforbruk i på-modus (W): 70 W
- Årlig energiforbruk (kWh)\*: 103 kWh
- Strømforbruk i standbymodus (W)\*\*: 0,3 W
- Skjermoppløsning (piksler): 3840 x 2160p

##### 55HFL6014U

- Energieffektivitetsklasse: A+
- Synlig skjermstørrelse: 139 cm / 55 tommer
- Strømforbruk i på-modus (W): 84 W
- Årlig energiforbruk (kWh)\*: 123 kWh
- Strømforbruk i standbymodus (W)\*\*: 0,3 W
- Skjermoppløsning (piksler): 3840 x 2160p

##### 65HFL6014U

- Energieffektivitetsklasse: A+
- Synlig skjermstørrelse: 164 cm / 65 tommer
- Strømforbruk i på-modus (W): 105 W
- Årlig energiforbruk (kWh)\*: 154 kWh
- Strømforbruk i standbymodus (W)\*\*: 0,3 W
- Skjermoppløsning (piksler): 3840 x 2160p

##### 32HFL5014

- Energieffektivitetsklasse: A+
- Synlig skjermstørrelse: 80 cm / 32 tommer
- Strømforbruk i på-modus (W): 29 W
- Årlig energiforbruk (kWh)\*: 43 kWh
- Strømforbruk i standbymodus (W)\*\*: 0,35 W
- Skjermoppløsning (piksler): 1920 x 1080

##### 43HFL5014

- Energieffektivitetsklasse: A+
- Synlig skjermstørrelse: 108 cm / 43 tommer
- Strømforbruk i på-modus (W): 48 W
- Årlig energiforbruk (kWh)\*: 71 kWh
- Strømforbruk i standbymodus (W)\*\*: 0,3 W
- Skjermoppløsning (piksler): 1920 x 1080

##### 50HFL5014

- Energieffektivitetsklasse: A++
- Synlig skjermstørrelse: 126 cm / 50 tommer
- Strømforbruk i på-modus (W): 49 W
- Årlig energiforbruk (kWh)\*: 72 kWh
- Strømforbruk i standbymodus (W)\*\*: 0,3 W
- Skjermoppløsning (piksler): 1920 x 1080

\*Energiforbruk i kWh per år er basert på strømforbruket til TV-er som står på fire timer per dag i 365 dager. Det virkelige energiforbruket avhenger av hvordan TV-en brukes.

\*\*Når TV-en slås av med fjernkontrollen, og ingen funksjoner er aktive.

#### Endt bruk

##### Avhende det gamle produktet og batterier

Produktet er utformet og produsert med materialer og komponenter av svært høy kvalitet som kan resirkuleres og gjenbrukes.



Når et produkt er merket med søppelbøtten med kryss over, betyr det at produktet dekkes av det europeiske direktivet 2012/19/EU.



Vær oppmerksom på reglene for det lokale separate innsamlingssystemet for elektriske og elektroniske produkter.

Følg de lokale reglene, og ikke kast gamle produkter sammen med det vanlige husholdningsavfallet. Riktig kassering av det gamle produktet bidrar til å forhindre potensielle negative konsekvenser for miljøet og menneskers helse.

Produktet inneholder batterier som omfattes av EU-direktiv 2006/66/EF, og som ikke kan kastes sammen med vanlig husholdningsavfall.



Vær oppmerksom på lokale regler for separat innsamling av batterier. Hvis du kasserer batterier riktig, bidrar du til å forhindre potensielle negative konsekvenser for helse og miljø.

---

5.2

## Drift

Produktspesifikasjonene kan endres uten varsel. Hvis du vil ha mer detaljerte spesifikasjoner for produktet, kan du gå til [www.philips.com/support](http://www.philips.com/support)

### Drift

- Nettspenning: AC 220–240 V +/- 10 %
- Omgivelsestemperatur: 5 til 35 °C
- Strømsparingsfunksjoner: Øko-modus, bildeutkobling (for radio), automatisk timer for å slå av, meny for øko-innstillinger.

Hvis du vil ha informasjon om strømforbruket, kan du se avsnittet **Produktkort**.

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5.3

## Operativsystem

Android OS:

Android Nougat 7

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5.4

## Mottak

- Antenneinngang: 75 ohm koaksial (IEC75)
- Tunerbånd: Hyperband, S-Channel, UHF, VHF
- DVB: DVB-T2, DVB-C (kabel) QAM
- Analog videoavspilling: SECAM, PAL
- Digital videoavspilling: MPEG2 SD/HD (ISO/IEC 13818-2), MPEG4 SD/HD (ISO/IEC 14496-10), HEVC\*
- Digital lydavspilling (ISO/IEC 13818-3)
- Frekvensområde for inndata: 950 til 2150 MHz
- Inngangsnivå: 25 til 65 dBm

\* Kun for DVB-T2

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5.5

## Skjermtype (6014U)

### Diagonal skjermstørrelse

- 108 cm / 43 tommer
- 126 cm / 50 tommer
- 139 cm / 55 tommer
- 164 cm / 65 tommer

### Skjermoppløsning

- 3840 x 2160

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5.6

## Skjermtype (5014)

### Diagonal skjermstørrelse

- 80 cm / 32 tommer
- 108 cm / 43 tommer
- 126 cm / 50 tommer

### Skjermoppløsning

- 1920 x 1080

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5.7

## Inndataoppløsning for skjerm (6014U)

### Videoformater

Oppløsning – oppdateringshastighet

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

### Datamaskinformater

Oppløsninger (blant annet)

- 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

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5.8

## Inndataoppløsning for skjerm (5014)

### Videoformater

Oppløsning – oppdateringshastighet

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

### Datamaskinformater

## Oppløsninger (blant annet)

- 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

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### 5.9

## Tilkobling (6014U)

### På siden av TV-en

- Felles grensesnittspor: CI+/CAM
- USB 1 – USB 2.0
- USB 2 – USB 3.0
- Hodetelefoner – stereo minijack 3,5 mm
- HDMI 1-inngang – ARC – MHL – Ultra HD
- HDMI 2-inngang – ARC – Ultra HD

### TV-ens underside

- Audio in VGA
- LAN-nettverk – RJ45
- HDMI 3-inngang – ARC
- Antenne (75 ohm)
- USB 3 – USB 2.0
- Audio Out – Optical, Toslink
- VGA

### TV Back

- 12 V likestrømsutgang
- 8  $\Omega$  Audio out
- DATA(RJ-48)

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### 5.10

## Tilkobling (5014)

### På siden av TV-en

- Felles grensesnittspor: CI+/CAM
- USB 1 – USB 3.0
- Hodetelefoner – stereo minijack 3,5 mm
- HDMI 1-inngang – ARC – MHL

### TV Back

- LAN-nettverk – RJ45
- HDMI 2-inngang – ARC
- Antenne (75 ohm)
- USB 2 – USB 2.0
- Audio Out – Optical, Toslink
- 12 V likestrømsutgang
- 8  $\Omega$  Audio out
- DATA(RJ-48)

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### 5.11

## Mål og vekt

### 43HFL6014U

- uten TV-stativ:  
Bredde 971,3 mm – høyde 563,53 mm – dybde 77,3 mm – vekt ± 8,92 kg

- med TV-stativ:  
Bredde 971,3 mm – høyde 628,61 mm – dybde 205 mm – vekt ±11,37 kg

### 50HFL6014U

- uten TV-stativ:  
Bredde 1128,4 mm – høyde 653 mm – dybde 78,2 mm – vekt ± 13,11 kg

- med TV-stativ:  
Bredde 1128,4 mm – høyde 715,43 mm – dybde 225 mm – vekt ±15,93 kg

### 55HFL6014U

- uten TV-stativ:  
Bredde 1244,2 mm – høyde 719 mm – dybde 78,4 mm – vekt ± 18,44 kg

- med TV-stativ:  
Bredde 1244,2 mm – høyde 783,9 mm – dybde 225,2 mm – vekt ±21,29 kg

### 65HFL6014U

- uten TV-stativ:  
Bredde 1462,3 mm – høyde 844,7 mm – dybde 87,5 mm – vekt ±24,45 kg

- med TV-stativ:  
Bredde 1462,3 mm – høyde 905,75 mm – dybde 279,1 mm – vekt ±25,2 kg

### 32HFL5014

- uten TV-stativ:  
Bredde 731,8 mm – høyde 435,31 mm – dybde 77,3 mm – vekt ± 4,61 kg

- med TV-stativ:  
Bredde 731,8 mm – høyde 494,14 mm – dybde 179,31 mm – vekt ±4,68 kg

### 43HFL5014

- uten TV-stativ:  
Bredde 969,6 mm – høyde 565,6 mm – dybde 80,5 mm – vekt ±7,19 kg

- med TV-stativ:  
Bredde 969,6 mm – høyde 624,2 mm – dybde 194 mm – vekt ±7,27 kg

### 50HFL5014

- uten TV-stativ:  
Bredde 1127,6 mm – høyde 655,3 mm – dybde 85,9 mm – vekt ±11,25 kg

- med TV-stativ:  
Bredde 1127,6 mm – høyde 714,8 mm – dybde 218,9 mm – vekt ± 11,61 kg

## Lyd

- Utgangseffekt (RMS): 20 W (32HFL5014/12: 16 W)
- Dolby Audio
- DTS HD

# Tilkoblede enheter

## 6.1

### Tilkoblede enheter

#### Tilkoblingsveiledning

Koble alltid en enhet til fjernsynet med tilkoblingen av høyest kvalitet som er tilgjengelig. I tillegg må du bruke kabler av god kvalitet for å sikre god overføring av bilde og lyd.

Når du kobler en ny enhet til TV-en, gjenkjenner den typen og gir hver enhet et riktig typenavn. Du kan endre typenavnet om du ønsker det. Hvis det er angitt korrekt typenavn for en enhet, vil TV-en automatisk bytte til den ideelle TV-innstillingen når du bytter til enheten i Kilde-menyen.

#### Antenneport

Hvis du har en dekode (en digital mottaker) eller opptaker, kobler du antennekablene slik at de sender antennesignalet gjennom dekoderen og/eller opptakeren først før det kommer inn i fjernsynet. På denne måten kan antennen og dekoderen sende mulige tilleggskanaler til opptakeren for opptak.




#### HDMI-porter

##### Betjene enheter

Hvis du vil betjene en enhet som er koblet til HDMI og konfigurere den med EasyLink, velger du enheten – eller enhetens aktivitet – i listen over fjernsynstilkoblinger.

Profesjonell modus OFF – Trykk på  Hjem, velg  Apper, velg  SOURCES . Velg en enhet som er koblet til en HDMI-tilkobling, og trykk på **OK**.

Profesjonell modus ON – Trykk på  Hjem, velg  TV-kanaler, velg  Kilder. Velg en enhet som er koblet til en HDMI-tilkobling, og trykk på **OK**.

Når enheten er valgt, kan fjernkontrollen til TV-en betjene enheten. Tastene  Hjem og  OPTIONS og noen andre TV-taster blir imidlertid ikke videresendt til enheten. Hvis tasten du trenger, ikke finnes på fjernkontrollen, kan du velge tasten på alternativmenyen. Trykk på  OPTIONS og velg **Kontroller** på menylinjen. På skjermen velger du enhetstasten du

trenger, og trykker på **OK**.

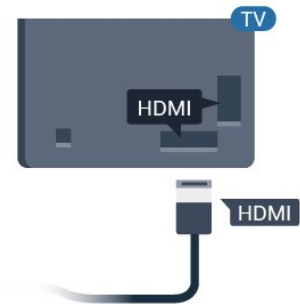
Noen svært spesifikke enhetstaster kan mangle på menyen Kontroller.

Merk: Bare enheter med støtte for funksjonen EasyLink-fjernkontroll reagerer på fjernkontrollen til TV-en.

#### HDMI-kvalitet

En HDMI-tilkobling har den beste bilde- og lyd kvaliteten. En HDMI-kabel kombinerer video- og lyd signaler. Bruk en HDMI-kabel for TV-signaler.

For å få best mulig kvalitet på signaloverføringen bør du bruke en høyhastighets HDMI-kabel, og ikke bruke en HDMI-kabel som er lengre enn 5 m.



#### Kopibeskyttelse

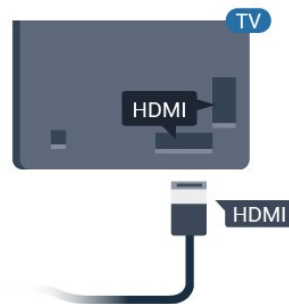
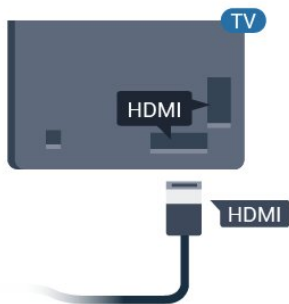
HDMI-kabler støtter HDCP (High-bandwidth Digital Content Protection). HDCP er et kopibeskyttelsessignal som hindrer kopiering av innhold fra en DVD- eller Blu-ray-plate. Omtales også som DRM (Digital Rights Management).

#### HDMI ARC

Alle HDMI-inngangene på TV-en har **HDMI ARC** (Audio Return Channel).

Hvis enheten, vanligvis et hjemmekinoanlegg (HTS), også har HDMI ARC-tilkoblingen, kobler du den til en av HDMI-tilkoblingene på denne TV-en. Med HDMI ARC-tilkoblingen trenger du ikke å koble til den ekstra lyd kabelen som sender lyden fra TV-bildet til HTS. HDMI ARC-tilkoblingen kombinerer begge signalene.

Du kan også bruke en HDMI-tilkobling på denne TV-en til å koble til HTS, men ARC er tilgjengelig bare for 1 enhet/tilkobling om gangen.



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## HDMI MHL

Med HDMI MHL kan du sende innholdet du ser på smarttelefonen eller nettbrettet med Android, til en TV-skjerm.

HDMI 1-inngangen på denne TV-en har MHL 2,0 (Mobile High-Definition Link).

Denne kablede tilkoblingen sørger for god stabilitet og båndbredde, liten latens, ingen trådløs interferens og god lydgjengivelse. MHL-tilkoblingen lader i tillegg batteriet til smarttelefonen eller nettbrettet. Selv om den er koblet til, lades ikke den mobile enheten når TV-en er i standby.

Du må selv finne ut hva slags passiv MHL-kabel som passer til den mobile enheten. Du må særlig være oppmerksom på hva slags plugg du trenger for å koble til smarttelefonen eller nettbrettet. Kabelen kobles til TV-en via HDMI.

MHL, Mobile High-Definition Link og MHL-logoen er varemerker eller registrerte varemerker som tilhører MHL, LLC.



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## HDMI CEC – EasyLink

En HDMI-tilkobling har den beste bilde- og lyd kvaliteten. Én HDMI-kabel kombinerer video- og lyd signaler. Bruk en HDMI-kabel for HDTV-signaler (High Definition TV). For å få best mulig kvalitet på signaloverføringen bør du bruke en høyhastighets HDMI-kabel, og ikke bruke en HDMI-kabel som er lengre enn 5 m.

Koble HDMI CEC-kompatible enheter til TV-en din. Du kan betjene dem uten TV-fjernkontrollen.

EasyLink HDMI CEC må slås på på TV-en og den tilkoblede enheten.

## Merk:

- EasyLink fungerer kanskje ikke med enheter fra andre merker.
- HDMI CEC-funksjonene har forskjellige navn hos forskjellige produsenter. Her er noen eksempler: Anynet, Aquos Link, Bravia Theatre Sync, Kuro Link, Simplink og Viera Link. Ikke alle merker er fullstendig kompatible med EasyLink. Eksempelene på HDMI CEC-merkenavn tilhører de respektive eierne.

---

## EasyLink på eller av

Du kan slå EasyLink på eller av. TV-en leveres med EasyLink-innstillingene slått på.

Slik slår du EasyLink helt av ...

Profesjonell modus OFF – Trykk på Hjem. Trykk på (ned), velg Innstillinger og trykk på OK.

Velg Kilder > EasyLink, og trykk på OK .

Velg EasyLink og trykk på OK.

Velg AV, og trykk på OK.

Trykk om nødvendig på BACK gjentatte ganger for å lukke menyen.

Profesjonell modus ON – Se installasjonshåndboken.

---

## EasyLink-fjernkontroll

Hvis du vil at enheter skal kommunisere, men ikke vil betjene dem med fjernkontrollen til TV-en, kan du slå av EasyLink-fjernkontrollen for seg.

Slik slår du EasyLink-fjernkontrollen på eller av ...

Profesjonell modus OFF – Trykk på Hjem. Trykk på (ned), velg Innstillinger og trykk på OK.

Velg Kilder > EasyLink, og trykk på OK .

Velg EasyLink-fjernkontroll, og trykk på OK.

Velg På eller Av, og trykk på OK.

Trykk om nødvendig på ← BACK gjentatte ganger for å lukke menyen.

Profesjonell modus ON – Se installasjonshåndboken.

6.2

## CAM med smartkort – CI+

### CI+

Denne TV-en kan håndtere **betinget** tilgang for CI+.

Med CI+ kan du se programmer i beste HD, f.eks. Disse programmene krypteres av TV-kringkasteren og låses opp med en forhåndsbetalt CI+-modul.

Digital-TV-operatører tilbyr en CI+-modul (Conditional Access Module – CAM) og et medfølgende smartkort når du abonnerer på toppprogrammene deres. Digital-TV-operatører tilbyr en CI+-modul (Conditional Access Module – CAM) og et medfølgende smartkort når du abonnerer på toppprogrammene deres.

Disse programmene har et høyt kopibeskyttelsesnivå.



### Smartkort

Ett smartkort

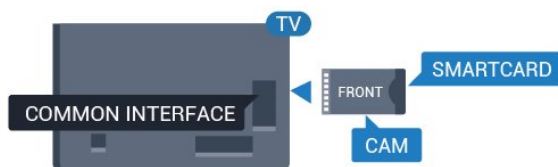
Digital-TV-operatører tilbyr en CI+-modul (Conditional Access Module – CAM) og et medfølgende smartkort når du abonnerer på toppprogrammene deres. Se instruksjonene du fikk av operatøren.

Slik setter du inn CAM-modulen i TV-en

1 – Se på CAM-modulen for å finne ut hvordan den skal settes inn. Du kan ødelegge CAM-modulen og TV-en hvis du setter den inn feil.

2 – Stå vendt mot baksiden av TV-en med forsiden av CAM-modulen mot deg, og sett CAM-modulen forsiktig inn i sporet **COMMON INTERFACE**.

3 – Skyv CAM-modulen så langt inn som mulig. La den stå i sporet permanent.



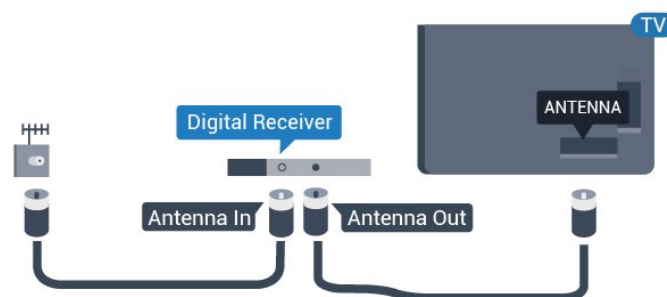
Når du slår på TV-en, kan det ta noen minutter før CAM-modulen aktiveres. Hvis det er satt inn en CAM-modul og abonnementet er betalt (abonnementene kan variere), kan du se på de krypterte kanalene som støttes av CAM-smartkortet.

CAM-modulen og smartkortet er utelukkende til din TV. Hvis du tar ut CAM-modulen, kan du ikke lenger se på de krypterte kanalene som støttes av CAM-modulen.

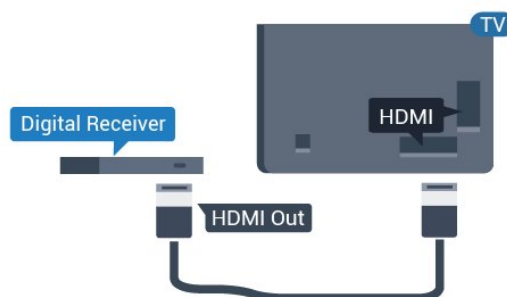
6.3

## Mottaker – dekode

Bruk to antennekabler til å koble antennen til dekode (en digital mottaker) og TV-en.



Plugg i en HDMI-kabel ved siden av antennetilkoblingene for å koble dekode (en digital mottaker) til fjernsynet.



6.4

## Hjemmekinosystem – HTS

### Koble til med HDMI ARC

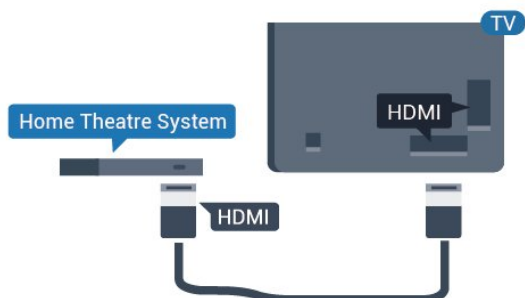
Bruk en HDMI-kabel til å koble et hjemmekinoanlegg (HTS) til TV-en. Du kan koble til Philips Soundbar eller HTS med en innebygd disc-spiller.

#### HDMI ARC

Hvis hjemmekinosystemet har en HDMI ARC-tilkobling, kan du bruke hvilken som helst HDMI-tilkobling på TV-en til å koble til. Det er ikke nødvendig å koble til den ekstra lyd-kabelen med

HDMI ARC. HDMI ARC-tilkoblingen kombinerer begge signalene.

Alle HDMI-tilkoblinger på TV-en kan gi signal for Audio Return Channel (ARC). Men straks du har koblet til hjemmekinoanlegget, kan TV-en kun sende ARC-signalet til denne HDMI-tilkoblingen.



### Lyd- og videosynkronisering

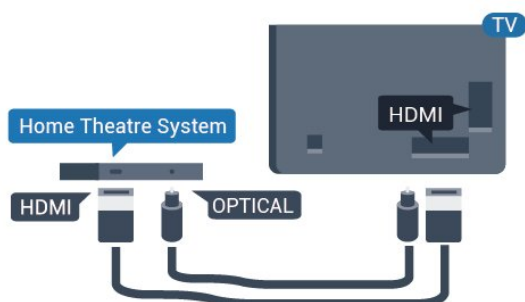
Hvis lyden ikke stemmer med bildet på skjermen, kan de fleste hjemmekinosystemer med en platespiller stilles inn med en forsinkelse slik at lyden og bildet stemmer overens.

---

## Koble til med HDMI

Bruk en HDMI-kabel til å koble et hjemmekinoanlegg (HTS) til TV-en. Du kan koble til Philips Soundbar eller HTS med en innebygd disc-spiller.

Hvis hjemmekinosystemet ikke har HDMI ARC-tilkobling, kan du bruke en optisk lyd-kabel (Toslink) til å sende lyd fra fjernsynsbildet til hjemmekinosystemet.



### Lyd- og videosynkronisering

Hvis lyden ikke stemmer med bildet på skjermen, kan de fleste hjemmekinosystemer med en platespiller stilles inn med en forsinkelse slik at lyden og bildet stemmer overens.

6.5

## Smarttelefoner og nettbrett

Du kan koble en smarttelefon eller et nettbrett til TV-en ved å bruke trådløs tilkobling eller kabel.

### Trådløs

For trådløs tilkobling må du laste ned Philips TV Remote App på smarttelefonen eller nettbrettet fra appbutikken din.

### Kabel

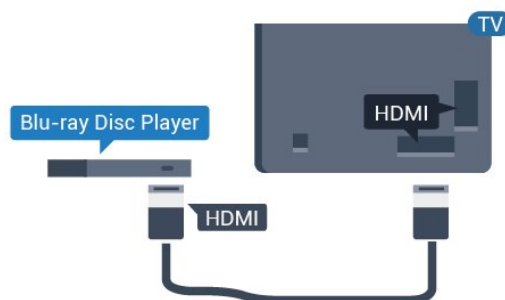
For kablet tilkobling bruker du HDMI 1 MHL-inngangen på baksiden av TV-en.

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6.6

## Blu-ray-platespiller

Bruk en høyhastighets HDMI-kabel til å koble Blu-ray-platespilleren til TV-en.




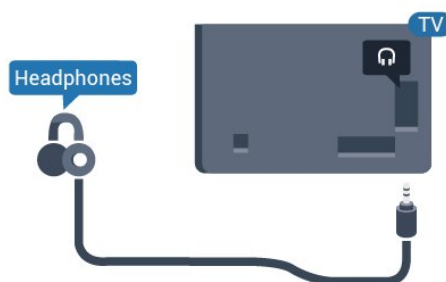
Hvis Blu-ray-platespilleren har EasyLink HDMI CEC, kan du betjene spilleren med fjernkontrollen til TV-en.

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6.7

## Hodetelefoner

Du kan koble hodetelefoner til -inngangen på baksiden av TV-en. Kontakten er en 3,5 mm minijack. Volumet på hodetelefonene kan justeres separat.

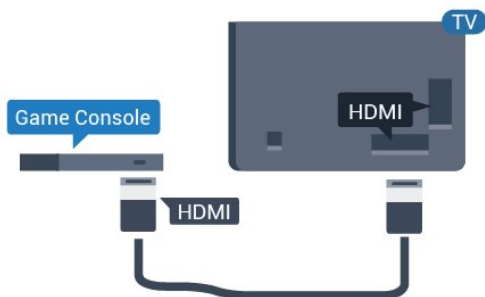




## Spillkonsoll

### HDMI

Best kvalitet oppnås ved å koble spillkonsollen til TV-en med en høyhastighets HDMI-kabel.



## USB-flashstasjon

Du kan vise bilder eller spille av musikk og videoer fra en USB-minneenhet.

Koble en USB-flash-stasjon til en av USB-inngangene på TV-en mens TV-en er på.



TV-en registrerer minnepinnen og åpner en liste som viser innholdet.

Hvis innholdslisten ikke vises automatisk...

Profesjonell modus OFF – Trykk på Hjem, velg Apper, velg Kilder. Velg USB og trykk på OK.

Profesjonell modus På – Trykk på Hjem, velg TV-kanaler , velg SOURCES . Velg USB og trykk på OK.

Hvis du er ferdig med å se på innholdet på minnepinnen, trykker du på eller velger en annen aktivitet.

Hvis du vil koble fra minnepinnen, kan du trekke den ut når som helst.

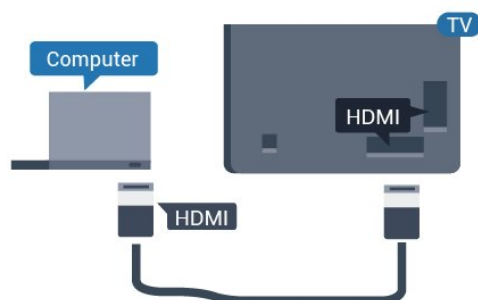
## Datamaskin

### Koble til

Du kan koble datamaskinen til TV-en og bruke TV-en som PC-skjerm.

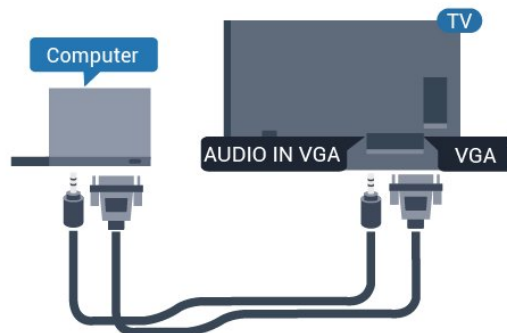
#### Med HDMI

Bruk en HDMI-kabel for å koble datamaskinen til TV-en.



#### Med VGA (6014U)

Bruk en VGA-kabel til å koble datamaskinen til TV-en, og en lyd-kabel (minikontakt 3,5 mm) til AUDIO IN VGA på baksiden av TV-en.



## Ideell innstilling

Hvis du kobler til en datamaskin, anbefaler vi at du gir tilkoblingen til datamaskinen riktig enhetstypenavn i kildemenyen. Hvis du deretter bytter til **Datamaskin** på Kilde-menyen, settes TV-en automatisk til den ideelle innstillingen Datamaskin.

Slik setter du TV-en til den ideelle innstillingen:




Profesjonell modus OFF – Trykk på Hjem. Trykk på (ned), velg **Innstillinger** og trykk på OK.

Velg **Bilde**, og trykk på (høyre) for å åpne menyen. Velg **Bildestil > Datamaskin** og trykk på OK.

Velg **På** eller **Av**, og trykk på OK.

Trykk på , om nødvendig gjentatte ganger, for å

lukke menyen.

Profesjonell modus ON – Trykk  
på  Hjem >  Mer >   
Innstillinger >  Bilde. Trykk på OK.

Velg **Bildestil** > **Datamaskin** og trykk på OK.

Velg **På** eller **Av**, og trykk på OK.

Trykk på , om nødvendig gjentatte ganger, for å lukke menyen.

(Les mer om profesjonell modus i installasjonshåndboken.)

# Videoer, bilder og musikk

## 7.1

### Fra en USB-tilkobling

Du kan vise bilder eller spille av musikk og videoer fra en USB-minnepinne eller USB-harddisk.

Med TV-en slått på kobler du til en USB-flashstasjon eller en USB-harddisk til en av USB-tilkoblingene. TV-en oppdager enheten og viser en liste over mediefilene dine.

Hvis listen over filer ikke åpnes automatisk:

- 1 - Trykk på CHANNELS, velg Kilder.
- 2 - Velg Medieleser og trykk på OK.
- 3 - Du kan bla i filene i mappestrukturen du har opprettet på harddisken.
- 4 - Trykk på hvis du vil stoppe avspillingen av videoer, bilder og musikk.

## 7.2

### Spill av videoene dine

#### Spill av videoer

##### Åpne videomappen

- 1 - Trykk på CHANNELS, velg Kilder.
- 2 - Velg Medieleser , velg Videoer og trykk på OK.

Hvis du vil gå tilbake til mappen, trykker du på

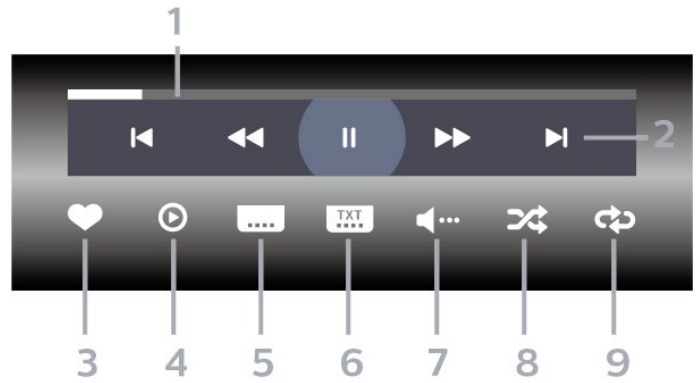
##### Spill av en video

- 1 - Trykk på CHANNELS, velg Kilder.
- 2 - Velg Medieleser , velg Videoer og trykk på OK.
- 3 - Velg en av videoene. Du kan trykke på Spill av alle for å spille av alle filer i mappen, eller trykker på Merk som favoritt for å legge til den valgte videoen på Favoritter-menyen - Favoritter.

Hvis du vil sette videoen på pause, trykker du på OK. Trykk på OK en gang til for å fortsette.

##### Kontrollinje

Trykk på OK for å vise eller skjule kontrollinjen når en video spilles av.



- 1 - Fremdriftsindikator
- 2 - Avspillingskontrollinje
  - ◀: Gå til forrige video i en mappe
  - ▶: Gå til neste video i en mappe
  - ◀◀: Spol tilbake
  - ▶▶: Spol fremover
  - ⏸: Setter avspillingen på pause
- 3 - Merk som favoritter
- 4 - Spill av alle videoene dine
- 5 - Teksting: slår teksting på, av eller på ved lydutkobling.
- 6 - Tekstespråk: Velg et tekstespråk (ikke tilgjengelig når Profesjonell modus er ON.)
- 7 - Lydspråk: velger et lydspråk
- 8 - Shuffle: spiller av filene i tilfeldig rekkefølge
- 9 - Gjenta: spiller av alle videoer i denne mappen én gang eller kontinuerlig

### Videoalternativer





Under videoavspillingen trykker du på OPTIONS, velger Info og trykker på OK for å ...

- Merk som favoritt – angi den valgte videoen som favoritt.
- Spill av alle – spille av alle videofiler i denne mappen.
- Teksting – hvis det er tilgjengelig, kan du slå teksting På, Av eller På ved lydutkobling.
- Lydspråk – hvis dette er tilgjengelig, kan du velge et lydspråk.
- Shuffle – spill av filene i tilfeldig rekkefølge.
- Gjenta – spiller av alle videoer i denne mappen én gang eller kontinuerlig.

## Vis bildene dine

### Vis bilder

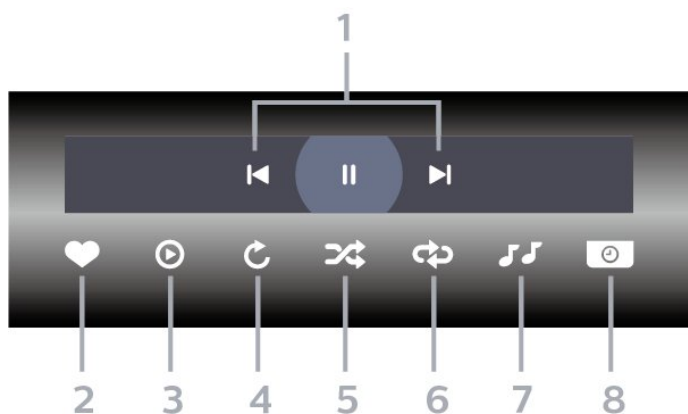
#### Åpne bildemappen




- 1- Trykk på  CHANNELS, velg  Kilder.
- 2- Velg  Medieleser, velg  Bilder og trykk på OK.

#### Vis et bilde


- 1- Trykk på  CHANNELS, velg  Kilder.
- 2- Velg  Medieleser, velg  Bilder og trykk på OK.
- 3- Velg Bilder og velg et av bildene. Du kan trykke på  Lysbildefremvisning for å spille av alle filene i mappen, eller du kan trykke på  Merk favoritt for å legge til det valgte bildet på Favoritter-menyen -  Favoritter.

#### Kontrollinje



- 1- Avspillingskontrollinje
  - : Gå til det forrige bildet i en mappe
  - : Gå til det neste bildet i en mappe
  - : Setter lysbildefremvisningen på pause
- 2- Merk som favoritter
- 3- Start en lysbildefremvisning
- 4- Roter bildet
- 5- Shuffle: spiller av filene i tilfeldig rekkefølge
- 6- Gjenta: viser alle bildene i denne mappen én gang eller kontinuerlig
- 7- Stopp musikken som spiller i bakgrunnen (ikke tilgjengelig når Profesjonell modus er ON)
- 8- Angir hastigheten på lysbildefremvisningen

## Bildealternativer





Under videoavspillingen trykker du på  OPTIONS, velger Info og trykker på OK for å ...

- Merk som favoritter
- Start en lysbildefremvisning
- Roter bildet
- Shuffle: spiller av filene i tilfeldig rekkefølge
- Gjenta: viser alle bildene i denne mappen én gang eller kontinuerlig
- Stopp musikken som spiller i bakgrunnen (ikke tilgjengelig når Profesjonell modus er ON)
- Angir hastigheten på lysbildefremvisningen







## Spill av musikken din

### Spill musikk

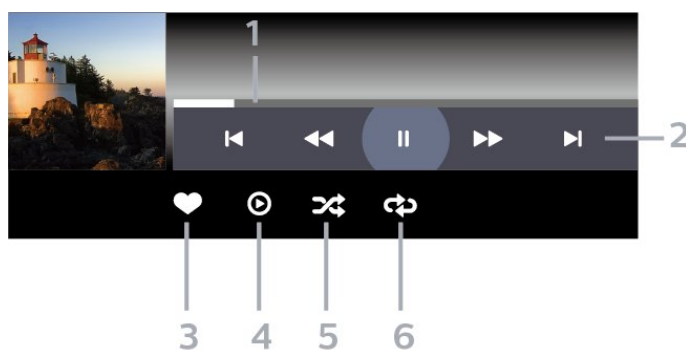
#### Åpne Musikk-mappen






- 1- Trykk på  CHANNELS, velg  Kilder.
- 2- Velg  Medieleser, velg  Musikk og trykk på OK.

#### Spill musikk

- 1- Trykk på  CHANNELS, velg  Kilder.
- 2- Velg  Medieleser, velg  Musikk og trykk på OK.
- 3- Du kan trykke på  Merk favoritt for å legge til Musikk-mappen på Favoritter-menyen
  -  Favoritter.
- 4- Du kan raskt finne musikk ved hjelp av klassifisering – Sjanger, Artister, Album, Spor.

#### Kontrollinje



- 1- Fremdriftsindikator
- 2- Avspillingskontrollinje
  - : Gå til forrige musikkspor i en mappe
  - : Gå til neste musikkspor i en mappe
  - : Spol tilbake
  - : Spol fremover
  - : Setter avspillingen på pause

- 3 - Merk som favoritter
- 4 - Spill av all musikken din
- 5 - Shuffle: spiller av filene i tilfeldig rekkefølge
- 6 - Gjenta: spiller av all musikken i denne mappen én gang eller kontinuerlig

---

## Musikkalternativer

Under avspillingen av musikken trykker du på **+** OPTIONS, velger **Info** og trykker på **OK** for å ...

- Merk som favoritter
- Spill av all musikken din
- Shuffle: spiller av filene i tilfeldig rekkefølge
- Gjenta: spiller av all musikken i denne mappen én gang eller kontinuerlig


# Fjernsynsguide

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## Bruke TV-guiden

---

### Åpne TV-guiden

Hvis du vil åpne TV-guiden, trykker du på  TV GUIDE. Fjernsynsguiden viser kanalene til den valgte tuner.

Trykk på  TV GUIDE igjen for å lukke.

Første gang du åpner TV-guiden, skanner TV-en alle TV-kanaler etter programinformasjon. Dette kan ta flere minutter. Fjernsynsguideinformasjon lagres i TV-en.

---

# Spill

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## Spill et spill

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### Fra en spillkonsoll


Slik starter du et spill fra en spillkonsoll ...


Slå på spillkonsollen.

Profesjonell modus OFF – Trykk på  Hjem, velg  Apper. Velg Kilder og trykk på OK.



Start spillet.


Trykk på  BACK gjentatte ganger, trykk på  EXIT eller stopp appen med dens egen Avslutt-/Stopp-knapp.

Hvis du trenger mer informasjon om hvordan du kobler til en spillkonsoll, kan du gå til **Hjelp**, trykke på fargetasten  Nøkkelord og søke opp **Spillkonsoll**, koble til.

Profesjonell modus ON – Trykk på  SOURCES og velg en spillkonsoll eller navnet på tilkoblingen.

Start spillet.


Trykk på  BACK gjentatte ganger, trykk på  EXIT eller stopp appen med dens egen Avslutt-/Stopp-knapp.

Hvis du trenger mer informasjon om hvordan du kobler til en spillkonsoll, kan du gå til **Hjelp**, trykke på fargetasten  Nøkkelord og søke opp **Spillkonsoll**, koble til.



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### Etter apper

Slik starter du et spill fra Spillapper ...



Profesjonell modus Av – Trykk på  Hjem, velg  Apper, og velg deretter Google Play-spill.

Logg deg på Google-kontoen din og start et spill.

Trykk på  BACK gjentatte ganger, trykk på  EXIT eller stopp appen med dens Avslutt-/Stopp-knapp.

Profesjonell modus ON – Trykk på  Hjem. Velg  Spill.

Logg deg på Google-kontoen din og start et spill.

Trykk på  BACK gjentatte ganger, trykk på  EXIT eller stopp appen med dens Avslutt-/Stopp-knapp.

# Profesjonell meny-app

## 10.1

## Om Profesjonell meny-appen

Fra Profesjonell meny-appen kan du starte en hvilken som helst aktivitet du kan gjøre på TV-en.

Venstre del av Profesjonell meny-appen er ordnet i rader ...

- Anbefales 
- TV-kanaler 
- Cast 
- Spill 
- Mer 

Øvre del til høyre Profesjonell meny-appen er ordnet i rader ...



- Administrer kontoen
- Meldinger  (Dette er en valgfri funksjon som avhenger av hotellets interne innstillinger.)
- Regning  (Dette er en valgfri funksjon som avhenger av hotellets interne innstillinger.)
- Still inn alarm 
- Vær 
- Menyspråk 
- Gjeldende klokkeslett

## 10.2

## Åpne Profesjonell meny-appen

Profesjonell modus OFF – se kapittelet Startskjerm på Android-TV.

Profesjonell modus ON – hvis du vil åpne Profesjonell meny-appen og åpne et element ...

- 1 - Åpne Profesjonell meny-appen ved å trykke på Hjem .
- 2 - Velg en aktivitet ved hjelp av piltastene, og trykk på **OK** for å starte aktiviteten.
- 3 - Hvis du vil lukke Profesjonell meny-appen uten å endre den gjeldende aktiviteten, trykker du på .






Når du åpner Profesjonell meny-appen, stopper avspillingen av bakgrunnsappen/-innholdet. Du må velge appen eller innholdet fra Profesjonell meny-appen for å fortsette.

## 10.3

## Anbefalt

Hvis du vil åpne Profesjonell meny-appen og åpne Anbefales ...

- 1 - Åpne Profesjonell meny-appen.
- 2 - Velg **Anbefales**  og trykk på **OK** for å åpne eller starte den.
- 3 - Velg  Anbefalte TV-kanaler. Velg en kanal fra listen og trykk på OK.
- 4 - Velg  Apper. Velg en app fra listen og trykk på OK.





## 10.4

## Fjernsynskanaler

### Kanallister

#### Om kanallister

Etter kanalinstallasjonen vises alle kanalene i kanallisten. Kanalene vises sammen med navnet og logoen hvis denne informasjonen er tilgjengelig.

Når du har valgt en kanalliste, trykker du på pilene  (opp) eller  (ned) for å velge en kanal og deretter på **OK** for å se på den valgte kanalen. Du kan bare gå til kanalene i listen når du bruker tastene  **+** eller  **-**.

#### Radiostasjoner

Hvis digital kringkasting er tilgjengelig, blir digitale radiostasjoner installert under installasjonen. Bytt til









en radiokanal på samme måte som du bytter til en TV-kanal.

---

## Åpne en kanalliste


Slik åpner du den gjeldende kanallisten

1. Trykk på  for å bytte til TV.
2. Trykk på  CHANNELS for å åpne den gjeldende kanallisten. Velg  Alle kanaler for å vise både TV- og radiokanaler. Velg  for å vise bare TV-kanaler. Velg  for å vise bare radiokanaler.
3. Trykk på  CHANNELS en gang til for å lukke kanallisten.

---

## Se på kanaler


### Gå til en kanal

Hvis du vil begynne å se på TV-kanaler, trykker du på . TV-en går til TV-kanalen du så på sist.

### Bytt kanaler

– Hvis du vil bytte kanaler, trykker du på  + eller  -.

### Forrige kanal

– Hvis du vil bytte tilbake til forrige kanal, trykker du på  BACK.

### Kanalliste

Mens du ser på en TV-kanal, trykker du på  for å åpne kanallisten.

---



## Kanalalternativer

### Åpne alternativene

Mens du ser på en kanal, kan du stille inn enkelte alternativer.

Avhengig av hvilken type kanal du ser på (analog eller digital), eller avhengig av TV-innstillingene du har angitt, er enkelte alternativer tilgjengelige.

Slik åpner du menyen Alternativer

- 1 – Mens du ser på en kanal, trykker du på  OPTIONS.
- 2 – Trykk på  OPTIONS igjen for å lukke.

10.5

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


## Fjernsynskanaler

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### Kanallister

#### Om kanallister

Etter kanalinstallasjonen vises alle kanalene i kanallisten. Kanalene vises sammen med navnet og logoen hvis denne informasjonen er tilgjengelig.

Når du har valgt en kanalliste, trykker du på pilene  (opp) eller  (ned) for å velge en kanal og deretter på OK for å se på den valgte kanalen. Du kan bare gå til kanalene i listen når du bruker tastene  + eller  -.







#### Radiostasjoner

Hvis digital kringkasting er tilgjengelig, blir digitale radiostasjoner installert under installasjonen. Bytt til en radiokanal på samme måte som du bytter til en TV-kanal.

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### Åpne en kanalliste


Slik åpner du den gjeldende kanallisten

1. Trykk på  for å bytte til TV.
2. Trykk på  CHANNELS for å åpne den gjeldende kanallisten. Velg  Alle kanaler for å vise både TV- og radiokanaler. Velg  for å vise bare TV-kanaler. Velg  for å vise bare radiokanaler.
3. Trykk på  CHANNELS en gang til for å lukke kanallisten.

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## Se på kanaler


### Gå til en kanal

Hvis du vil begynne å se på TV-kanaler, trykker du på . TV-en går til TV-kanalen du så på sist.

### Bytt kanaler

– Hvis du vil bytte kanal, trykker du på  + eller  -.

### Forrige kanal

– Hvis du vil bytte tilbake til forrige kanal, trykker du på  BACK.

### Kanalliste

Mens du ser på en TV-kanal, trykker du på  for å åpne kanallisten.

---

## Kanalalternativer

---

### Åpne alternativene

Mens du ser på en kanal, kan du stille inn enkelte alternativer.

Avhengig av hvilken type kanal du ser på (analog eller digital), eller avhengig av TV-innstillingene du har angitt, er enkelte alternativer tilgjengelige.

Slik åpner du menyen Alternativer

- 1 - Mens du ser på en kanal, trykker du på **+** **OPTIONS**.
- 2 - Trykk på **+** **OPTIONS** igjen for å lukke.

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10.6

## Google Cast

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### Det du trenger

Hvis en app på den mobile enheten din har Google Cast, kan du kringkaste appen på denne TV-en. Se etter Google Cast-ikonet i mobilappen. Du kan bruke den mobile enheten din til å styre hva som skal vises på TV-en. Google Cast fungerer på Android og iOS.

Den mobile enheten din må være tilkoblet samme trådløse hjemmenettverk som TV-en.

### Apper med Google Cast

Det kommer daglig nye Google Cast-apper på markedet. Du kan prøve det allerede nå med YouTube, Chrome, Netflix, Photowall eller Big Web Quiz for Chromecast. Se også [google.com/cast](http://google.com/cast)

Noen produkter og funksjoner fra Google Play er ikke tilgjengelige i alle land.


Du finner mer informasjon på [support.google.com/androidtv](http://support.google.com/androidtv)

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## Kringkast til TV-en

Slik kringkaster du en app til TV-skjermen ...

Hvis du vil åpne Profesjonell meny-appen og åpne Cast ...

- 1 - Åpne Profesjonell meny-appen.
- 2 - Velg **Cast**  og trykk på **OK** for å åpne eller starte det.
- 3 - Koble smarttelefonen til TV-en ved hjelp av Wi-Fi Direct (skann QR-koden eller bruk WiFi SSID og passordet). Åpne en app som støtter Google Cast.
- 4 - Trykk på Google Cast-ikonet.
- 5 - Velg TV-en du vil kringkaste til.
- 6 - Trykk på Spill av-knappen på smarttelefonen eller nettbrettet. Det du har valgt, skal nå begynne å


spilles av på TV-en.

---

10.7

## Spill

Hvis du vil åpne Profesjonell meny-appen og åpne Spill ...

- 1 - Åpne Profesjonell meny-appen.
- 2 - Velg **Spill**  og trykk på **OK**.





### Ideell innstilling for spill

For spill der hastighet og presisjon kreves, må du velge innstillingen **Spill** på TV-en før du starter å spille.

Hvis spillkonsollen er lagt til som en enhet med typen **Spill** på menyen Kilder (listen over tilkoblinger), stilles TV-en inn på de ideelle innstillingene for spill automatisk.

Hvis **Spiller** er angitt som typen for spillkonsollen og den brukes som en platespiller mesteparten av tiden, lar du enhetstypen være **Spiller**.

Slik setter du TV-en til den ideelle innstillingen manuelt: . .


- 1 - Velg  **Hjem** > **...** **Mer** >  **Innstillinger** >  **Bilde** > **Bildestil**.
- 2 - Velg **Spill** og trykk på **OK**.
- 3 - Trykk på , om nødvendig gjentatte ganger, for å lukke menyen. Husk å sette innstillingen for Spill eller datamaskin tilbake til Av når du avslutter spillingen.

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10.8

## Mer

Hvis du vil åpne Profesjonell meny-appen og åpne Mer ...

- 1 - Åpne Profesjonell meny-appen.
- 2 - Velg **...** **Mer** og trykk på **OK** for å åpne eller starte det.
- 3 - Velg  **Innstillinger**.

• **Bilde**  :

Bytt mellom de forhåndsinnstilte bildestilene. Det finnes ideelle stiler for å se filmer eller bilder osv.

• **Lyd**  :

Bytt mellom de forhåndsinnstilte lydstilene. Det er perfekte stiler for å se på film, lytte til musikk eller spille spill.

• **Bildeformat**  :


Velg et bildeformat som passer til skjermen.


• **Menyspråk**  :

Velg språk og trykk på OK.

- 4 - Velg  **Funksjoner** og trykk på OK.

- Still inn alarm  :

En alarm kan stilles inn på TV-en. TV-en kan vekkes på et innstilt alarmklokkeslett. Alarmklokkeslettet kan alternativt stilles inn ved å trykke på knappen  på fjernkontrollen.


- Tidsinnst. avslåing  :

Med glidebryteren kan du stille inn tiden opptil 180 minutter i trinn på 5 minutter. Hvis den er satt til 0 minutter, er Tidsinnst. av slått av. Du kan alltid slå av TV-en tidligere eller stille inn tiden på nytt, under nedtellingen.

- Vær  :

Viser den registrerte temperaturen, og visningen inneholder 5 dager med værvarsel for det aktuelle stedet. Alarmklokkeslettet kan alternativt stilles inn ved å trykke på knappen  på fjernkontrollen.

5 – Velg Personlig  og trykk på OK.

- Regning  : Tillater at hotellgjesten viser sin hotellregning under oppholdet. (bare når Profesjonell modus er ON.)

- Meldinger  :

Gjester må varsles når nye meldinger fra hotellet vises på TV-en. (bare når Profesjonell modus er ON.)

- Meldingsvisning  :

Endre måten meldingsvarslinger vises på. (bare når Profesjonell modus er ON.)

- Administrere konto  :

Under påloggingen til Google-kontoen ved hjelp av telefon eller bærbar datamaskin må du sørge for at telefonen eller datamaskinen er koblet til det samme nettverket som TV-en, og deretter må du oppgi koden som vises på TV-en, for å fullføre påloggingsprosessen. Gjester kan også bruke e-postadresse og passord til å logge seg på Google-kontoen.

- Fjern historikk  :

Fjern personlige opplysninger fra alle apper (fjernes også automatisk ved utsjekking, men bare når Profesjonell modus er ON.)

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10.9

## Profesjonelle innstillinger


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### Bildestil

Velg en stil

Trykk på  Hjem >  Mer >  Innstillinger >  Bilde > Bildestil.

For å justere bildet på en enkel måte kan du velge en forhåndsdefinert bildestil.

- Idealinnstilling – bildeinnstillingene du angir ved første oppsett.
- Livlig – ideelt for TV-titting i dagslys
- Naturlig – naturlige bildeinnstillinger
-  Standard – den mest energibesparende innstillingen – fabrikkinnstilling

- Film – ideelt for å se på film
- Spill – ideelt for å spille spill
- Datamaskin – ideelt for å koble til en datamaskin





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## Bildeformat

Velg bildeformat

Hvis bildet ikke fyller hele skjermen og svarte rammer vises øverst eller nederst eller på begge sider, kan du justere bildet slik at det fyller hele skjermen.

Slik velger du en av de grunnleggende innstillingene for å fylle hele skjermen

Trykk på  Hjem >  Mer >  Innstillinger >  Bildeformat.

Følgende format kan bli tilgjengelig, avhengig av bildet på skjermen.

- Bredskjerm
- Fyll skjermen
- Tilpass til skjerm
- Uskalert

---

## Lydstil

Velg en stil

Trykk på  Hjem >  Mer >  Innstillinger >  Lyd > Lydstil.


Du kan enkelt justere lyden ved å velge en forhåndsdefinert innstilling med lydstil.

- Personlig – dine personlige valg som du angav i Tilpass bilde og lyd
- Original – den mest nøytrale lydinnstillingen
- Film – ideelt for å se på film
- Musikk – ideelt for å lytte til musikk
- Spill – ideelt for å spille spill
- Nyheter – ideelt for tale

---

## Språk

Endre språk på TV-menyen og -meldingene

Trykk på  Hjem >  Mer >  Innstillinger >  Menyspråk.

Velg menyspråk og trykk på OK.

---

## Øko-innstillinger

### Slå av skjermen for å spare på strømforbruket



Trykk på  Hjem >  Mer >  Funksjoner >  Tidsinnst. avslåing > Skjerm av.

Hvis du bare hører på musikk på TV-en, kan du slå av TV-skjermen.

Bare TV-skjermen slås av. Hvis du vil slå på skjermen igjen, trykker du på en hvilken som helst knapp på fjernkontrollen.

### Stille inn timer for å slå av

Trykk på  Hjem >  Mer >  Funksjoner >  Tidsinnst. avslåing > Tidsinnst. avslåing.

Trykk på pilene  (opp) eller  (ned) for å justere verdien. Verdien 0 (Av) deaktiverer funksjonen Slå av automatisk.

Velg Timer for å slå av. TV-en slår seg automatisk av for å spare strøm.

\* Hvis TV-en mottar et TV-signal, men du ikke trykker på noen knapp på fjernkontrollen i løpet av fire timer, slås TV-en av automatisk.

\* Hvis TV-en ikke mottar et TV-signal og heller ikke en kommando fra fjernkontrollen i løpet av 10 minutter, vil den slå seg av.

\* Hvis du bruker TV-en som en skjerm, eller hvis du bruker en digital mottaker for å se på TV (en set-top-boks – STB) og ikke bruker fjernkontrollen til TV-en, bør du deaktivere funksjonen Slå av automatisk og stille inn verdien til 0.

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10.10

## Google-konto

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### Logg på

For at du skal kunne benytte alle funksjonene på din Phillips Android-TV, kan du logge inn på Google med Google-kontoen din.

Ved å logge inn vil du kunne spille favorittspillene dine på både telefon, nettbrett og TV. Du kan også få tilpassede video- og musikkbefalinger på TV-ens startskjerm samt tilgang til YouTube, Google Play og andre apper.

Bruk din eksisterende **Google-konto** til å logge inn på Google på TV-en. En Google-konto består av en e-postadresse og et passord. Hvis du ikke har noen Google-konto ennå, kan du bruke datamaskinen eller nettbrettet til å opprette en (accounts.google.com). Hvis du ikke logget inn under den første TV-installasjonen, kan du alltid logge inn senere.

### Logg på

Trykk på  > Skjermen Åpne Profesjonell meny-appen.

Velg Administrer konto øverst til høyre på skjermen Åpne Profesjonell meny-appen, og trykk på **OK**. Bruk skjermtastaturet til å angi e-postadresse og passord, og trykk på **OK** for å logge deg på.

# Startskjerm på Android-TV

## 11.1

## Om startskjermen på Android-TV

Koble TV-en til Internett for å dra nytte av fordelene ved Android.

Startskjermen er midt på TV-en slik den er på Android-smarttelefonen din eller -nettbrettet ditt. Fra startskjermen kan du bestemme deg for hva du vil se på ved å bla gjennom underholdningsalternativene fra app og TV i sanntid. Hjem har kanaler som gjør at du kan oppdage flott innhold fra favorittappene dine. Du kan også legge til flere kanaler eller finne nye programmer for å få mer innhold.

## 11.2

## Åpne startskjermen på Android-TV

Profesjonell modus ON – se installasjonshåndboken.

Profesjonell modus OFF – hvis du vil åpne startskjermen på Android-TV og åpne et element ...

1 – Trykk på Meny og gå til Philips-samling, og trykk deretter på OK.

2 – Velg en aktivitet ved hjelp av piltastene, og trykk på **OK** for å starte aktiviteten.

3 – Hvis du vil lukke menyen Hjem uten å endre gjeldende aktivitet, trykker du på **←**.



Når du åpner startskjermen på Android-TV, stopper avspillingen av bakgrunnsappen/-innholdet. Du må velge appen eller innholdet fra startskjermen på

Android-TV for å fortsette.

## 11.3

## Innstillinger for Android-TV

### Bilde

#### Bildeinnstillinger

#### Bildestil

#### Velg en stil

Trykk på **☰** > **⚙️** Innstillinger > Bilde > Bildestil. For å justere bildet på en enkel måte kan du velge en forhåndsdefinert bildestil.

- Idealinstilling – bildeinnstillingene du angir ved første oppsett.
- Livlig – ideelt for TV-titting i dagslys
- Naturlig – naturlige bildeinnstillinger
- **🍃** Standard – den mest energibesparende innstillingen – fabrikkinnstilling
- Film – ideelt for å se på film
- Spill – ideelt for å spille spill
- Datamaskin – ideelt for å koble til en datamaskin

#### Farge, kontrast, skarphet, lysstyrke

#### Justere farge

Trykk på **☰** Hjem > **⚙️** Innstillinger > Bilde > Farge.

Trykk på pilene **▲** (opp) eller **▼** (ned) for å justere bildets fargemetningsverdi.

#### Justere kontrast

Trykk på **☰** Hjem > **⚙️** Innstillinger > Bilde > Kontrast. Trykk på pilene **▲** (opp) eller **▼** (ned) for å justere bildets kontrastverdi.

Du kan redusere kontrastverdien for å spare på strøm.

#### Justere skarphet

Trykk på **☰** Hjem > **⚙️** Innstillinger > Bilde > Skarphet.

Trykk på pilene **▲** (opp) eller **▼** (ned) for å justere bildets skarphetsverdi.

#### Justere lysstyrke

Trykk på **☰** Hjem > **⚙️** Innstillinger > Bilde > Skarphet.

Trykk på pilene **▲** (opp) eller **▼** (ned) for å justere lysstyrken.

**Merk:** Hvis du stiller inn lysstyrken mye lavere enn referanseverdien (50), kan dette føre til lavere

kontrast.

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## Avanserte bildeinnstillinger



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### Fargeinnstillinger

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#### Avanserte fargeinnstillinger



##### Justere fargeforbedringen

Trykk på  Hjem >  Innstillinger >

Bilde > Avansert > Farge > Fargeforbedring.

Velg **Maksimum**, **Middels**, eller **Minimum** for å stille inn nivået på fargeintensiteten og detaljene i sterke farger.



##### Velge forhåndsdefinert fargetemperatur

Trykk  Hjem >  Innstillinger >

Bilde > Avansert > Farge > Fargetemperatur.



Velg **Vanlig**, **Varm**, eller **Kjølig** for å stille inn fargetemperaturen slik du ønsker den.

##### Egendefinert fargetemperatur

Trykk på  Hjem >  Innstillinger >

Bilde > Avansert > Farge > Egendefinert

fargetemperatur.



Velg **Egendefinert** i fargetemperaturmenyen hvis du ønsker å definere din egen fargetemperatur. Trykk på pilene  (opp) eller  (ned) for å justere verdien. WP er hvitpunkt, og BL er svartnivå. Du kan også velge én av forhåndsinnstillingene på menyen.

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## Avanserte kontrastinnstillinger

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### Kontrastmoduser



Trykk på  Hjem >  Innstillinger >

Bilde > Avansert > Kontrast > Kontrastmodus.

Velg **Vanlig**, **Optimert for bilde** eller **Optimert for energisparing** for å stille inn TV-en til automatisk å redusere kontrasten, for best energiforbruk eller for best bildeopplevelse, eller velg **Av** for å skru av justeringen.

---

### Dynamisk kontrast

Trykk på  Hjem >  Innstillinger >

Bilde > Avansert > Kontrast > Dynamisk



kontrast.

Velg **Maksimum**, **Middels** eller **Minimum** for å angi hvilket nivå TV-en automatisk skal forbedre detaljene ved i mørke, middels lyse og lyse områder i bildet.



---

## Videokontrast, gamma



### Videokontrast

Trykk på  Hjem >  Innstillinger >



Bilde > Avansert > Kontrast > Videokontrast.

Trykk på pilene  (opp) eller  (ned) for å justere videokontrasten.

### Kontrast, Gamma

Trykk på  Hjem >  Innstillinger >

Bilde > Avansert > Kontrast > Gamma.

Trykk på pilene  (opp) eller  (ned) for å angi en ikke-lineær innstilling for lystetthet og kontrast i bildet.

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## Avanserte skarphetsinnstillinger

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### Ultra Resolution

Trykk på  Hjem >  Innstillinger > Bilde >

Avansert > Skarphet > Ultra-oppløsning.

Velg **På** for å få overlegen skarphet i linjekanter og detaljer.

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## Bilderens

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### Støyreduksjon

Trykk på  Hjem >  Innstillinger > Bilde >

Avansert > Bilderens > Støyreduksjon.

Velg **Maksimum**, **Middels**, eller **Minimum** for å stille inn nivået på støyreduksjon i videoinnhold.

Støy vises som regel som små prikker som beveger seg på skjermbildet.

---

### MPEG-artefaktreduksjon

Trykk på  Hjem >  Innstillinger > Bilde >

Avansert > Bilderens > MPEG-artefaktreduksjon.

Velg **Maksimum**, **Middels**, eller **Minimum** for å få forskjellige grader av utjevningsartefakter i digitalt videoinnhold.




MPEG-artefakter vises oftest som små blokker eller ujevne kanter i skjermbildet.

---

## Bildeformat

Hvis bildet ikke fyller hele skjermen og svarte rammer vises øverst eller nederst eller på begge sider, kan du justere bildet slik at det fyller hele skjermen.

Slik velger du en av de grunnleggende innstillingene for å fylle hele skjermen

- 1 – Mens du ser på en TV-kanal, trykker du på  Hjem >  Innstillinger > Bilde > Bildeformat.
- 2 – Velg et format fra listen, og trykk på OK.
- 3 – Trykk om nødvendig på  BACK gjentatte ganger for å lukke menyen.

Følgende format kan bli tilgjengelig, avhengig av bildet på skjermen: . .


- Bredskjerm
- Fyll skjermen
- Tilpass til skjerm
- Uskalert

---

## Lyd

### Lydstil

#### Velg en stil



Trykk på  Hjem >  Innstillinger > Lyd > Lydstil. Du kan enkelt justere lyden ved å velge en forhåndsdefinert innstilling med lydstil.

- Personlig – dine personlige valg som du angav i Tilpass bilde og lyd
- Original – den mest nøytrale lydinnstillingen
- Film – ideelt for å se på film
- Musikk – ideelt for å lytte til musikk
- Spill – ideelt for å spille spill
- Nyheter – ideelt for tale

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### Lydbehandling



#### Velg en enhet.

Trykk på  Hjem >  Innstillinger > Lyd > Lydbehandling. Konfigurer lydenhetene.

- TV-høytalere – still inn TV-en til å spille av lyden på TV-en eller på det tilkoblede lydanlegget.
- Høytalere for hodetelefoner /badeværelse – Av/På.
- Fast høytalervolum for hodetelefoner/badeværelse – når volumnivået er aktivert for høytaleren for hodetelefoner/badeværelse, kan det stilles inn med bryteren under Innstillinger.
- Hodetelefonregistrering – På/AV.

---

## TV-plassering

Trykk på  Hjem >  Innstillinger > Lyd > TV-ens plassering.

Velg På et TV-stativ eller På veggen for å få best mulig lydgjengivelse i henhold til innstillingen.



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## Avansert



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## Øko-innstillinger

### Sleep Timer

Trykk på  Hjem >  Innstillinger > Øko-innstillinger > Tidsinnst. avslåing.

Still inn TV-til til å bytte til Standby-modus automatisk etter en angitt periode. Hvis du vil deaktivere denne funksjonen, stiller du inn perioden til null.

Trykk på pilene  (opp) eller  (ned) for å justere verdien. Verdien 0 (Av) deaktiverer funksjonen Slå av automatisk.

Velg Timer for å slå av. TV-en slår seg automatisk av for å spare strøm.



\* Hvis TV-en mottar et TV-signal, men du ikke trykker på noen knapp på fjernkontrollen i løpet av fire timer, slås TV-en av automatisk.

\* Hvis TV-en ikke mottar et TV-signal og heller ikke en kommando fra fjernkontrollen i løpet av 10 minutter, vil den slå seg av.

\* Hvis du bruker TV-en som en skjerm, eller hvis du bruker en digital mottaker for å se på TV (en set-top-boks – STB) og ikke bruker fjernkontrollen til TV-en, bør du deaktivere funksjonen Slå av automatisk og stille inn verdien til 0.

---

### Skjerm av

Trykk på  Hjem >  Innstillinger > Øko-innstillinger > Skjerm av.

Hvis du bare hører på musikk på TV-en, kan du slå av TV-skjermen.



Bare TV-skjermen slås av. Hvis du vil slå på skjermen igjen, trykker du på en hvilken som helst knapp på fjernkontrollen.

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## Region og språk

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### språk

Trykk på  Hjem >  Innstillinger > Region og språk > Språk.

Angi innstillinger for region eller språk.

- Android-system / Menyspråk – endre språket for menyer og meldinger.
- Primærlyd – still inn høyeste preferanse for lydsspråk i sendinger.
- Sekundærlyd – still inn neste preferanse for lydsspråk i sendinger.
- Primærteteksting – still inn høyeste preferanse for språk for teksting i sendinger.
- Sekundærteteksting – still inn neste preferanse for språk for teksting i sendinger.
- Primærtetekst – still inn neste preferanse for tekstspråk i sendinger.
- Sekundærtetekst – still inn neste preferanse for tekstspråk i sendinger.



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## Innstillinger for universell tilgang

Trykk på  >  Innstillinger > Tilgjengelighet > Universell tilgang.

Når Universell tilgang er slått på, er TV-en tilpasset bruk av personer som er døve, tunghørte, blinde eller synshemmede.

### Slå på innstillinger for universell tilgang



Trykk på  >  Innstillinger > Tilgjengelighet > Universell tilgang > På.

### Universell tilgang for hørselshemmede

Trykk på  >  Innstillinger > Tilgjengelighet > Universell tilgang > Svekket hørsel > På.


- Noen digitale TV-kanaler sender spesiallyd og teksting som er tilpasset tunghørte og døve.
- Når denne er slått på, bytter TV-en automatisk til tilpasset lyd og teksting hvis det er tilgjengelig.

### Universell tilgang for blinde eller synshemmede

Trykk på  >  Innstillinger > Tilgjengelighet > Universell tilgang > Lydbeskrivelse > Lydbeskrivelse > På.

Digitale fjernsynskanaler kan kringkaste spesielle lydkommentarer som beskriver det som skjer på skjermen.

 Innstillinger > Tilgjengelighet > Universell tilgang > Lydbeskrivelse > Blandet volum, Lydeffekter, Tale.

- Hvis du velger Blandet volum, kan du blande volumet på den vanlige lyden med lydcommentaren. Trykk på pilene  (opp)

eller  (ned) for å justere verdien.

- Slå Lydeffekter På for å få ekstra lydeffekter i lydcommentaren, for eksempel stereo eller lyd som toner ut.

- Velg Tale for å stille inn talepreferanser, Beskrivende eller Teksting.

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## Innholdsvurdering


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### Graderingsnivå

Trykk på  >  Innstillinger > Innholdsgradering.

Hvis du vil hindre barn i å se på programmer som ikke er egnet for deres alder, kan du angi en aldersgrense. Det kan være angitt en aldersgrense for programmer på digitale kanaler. Når aldersgrensen for et program er lik eller høyere enn alderen du har angitt som aldersgrense for barnet ditt, blir programmet låst. Hvis du vil se på et program som er låst, må du først angi koden.



### Slik angir du en aldersgrense

Trykk på  >  Innstillinger > Innholdsgradering > Graderingsnivå.

Velg alderen og trykk på OK. Hvis du vil slå av aldersgraderingen, velger du Ingen. I enkelte land er det imidlertid obligatorisk å angi en aldersgrense.



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### Angi kode og Endring av kode

Trykk på  Hjem >  Innstillinger > Innholdsgradering.

PIN-koden for barnesikringen brukes til å låse eller låse opp kanaler eller programmer.

Angi ny kode eller tilbakestill endring av kode.

Trykk på  Hjem >  Innstillinger > Innholdsgradering > Endre kode.

### Merk:

Hvis du glemmer PIN-koden, kan du overstyre den gjeldende koden ved å bruke **8888** og angi en ny kode.



## Koble til Android-TV-en

### Nettverk og Internett

#### Hjemmenettverk

For at du skal kunne benytte alle funksjonene på din Phillips Android-TV, må TV-en være tilkoblet Internett.

Koble TV-en til et hjemmenettverk med en høyhastighets Internett-tilkobling. Du kan opprette en trådløs eller kablet forbindelse mellom TV-en og nettverksruterer.

#### Koble til nettverk

#### Trådløs tilkobling

#### Det du trenger

Hvis du vil koble TV-en trådløst til Internett, trenger du en Wi-Fi-ruter som er koblet til Internett.

Bruk en høyhastighetstilkobling til Internett (bredbånd).



#### Opprette tilkoblingen

#### Opprett tilkoblingen – WIRELESS

Trykk på Hjem > Innstillinger > Trådløs og nettverk > Koble til nettverk > WIRELESS.

- 1 - Velg det trådløse nettverket ditt fra listen over oppdagede nettverk. Hvis nettverket ditt ikke vises på listen fordi nettverksnavnet er skjult (du har slått av ruterens SSID-kringkasting), velger du Legg til nytt nettverk for å angi nettverksnavnet selv.
- 2 - Avhengig av typen ruter angir du krypteringsnøkkelen (WEP, WPA eller WPA2). Hvis du har angitt krypteringsnøkkelen for dette nettverket tidligere, kan du velge OK for å opprette tilkoblingen umiddelbart.
- 3 - Det vises en melding når tilkoblingen er opprettet.

#### Opprette tilkobling – WPS

Trykk på Hjem > Innstillinger > Trådløs og nettverk > Koble til nettverk > WPS.

Hvis ruterer har WPS, kan du koble direkte til ruterer uten å søke etter nettverk. Hvis du har enheter i det trådløse nettverket som bruker WEP-systemet for sikkerhetskryptering, kan du ikke bruke WPS.

- 1 - Gå til ruterer, trykk på WPS-knappen, og gå tilbake til TV-en innen to minutter.
- 2 - Velg Koble til for å opprette tilkoblingen.
- 3 - Det vises en melding når tilkoblingen er opprettet.

#### Opprett tilkoblingen – WPS med PIN-kode

Trykk på Hjem > Innstillinger > Trådløs og nettverk > Koble til nettverk > WPS med PIN-kode.

Hvis ruterer har WPS-PIN-kode, kan du koble direkte til ruterer uten å søke etter nettverk. Hvis du har enheter i det trådløse nettverket som bruker WEP-systemet for sikkerhetskryptering, kan du ikke bruke WPS.

- 1 - Skriv ned den 8-sifrede PIN-koden som vises, og angi den i ruterprogramvaren på PCen. I ruterhåndboken finner du informasjon om hvor du skal angi PIN-koden i ruterprogramvaren.
- 2 - Velg Koble til for å opprette tilkoblingen.
- 3 - Det vises en melding når tilkoblingen er opprettet.

#### Problemer

#### Trådløst nettverk blir ikke funnet eller har forstyrrelser

- Mikrobølgeovner, DECT-telefoner eller andre Wi-Fi 802,11b/g/n/ac-enheter i nærheten kan forstyrre det trådløse nettverket.
- Sørg for at brannmurene i nettverket tillater tilgang til den trådløse TV-tilkoblingen.
- Hvis det trådløse nettverket ikke fungerer riktig hjemme hos deg, kan du prøve med trådbundet nettverksinstallasjon.

#### Internett fungerer ikke

- Hvis tilkoblingen til ruterer er i orden, bør du kontrollere ruterens Internett-tilkobling.

#### PC-en og Internett-tilkoblingen er trege

- Se i brukerhåndboken for den trådløse ruterer for å få informasjon om innendørs rekkevidde, overføringshastighet og andre faktorer for signalkvalitet.
- Du må ha en høyhastighetstilkobling til Internett (bredbånd) for denne ruterer.

#### DHCP

- Hvis tilkoblingen mislykkes, kan du kontrollere DHCP-innstillingen (Dynamic Host Configuration Protocol)

for ruteren. DHCP må slås på.

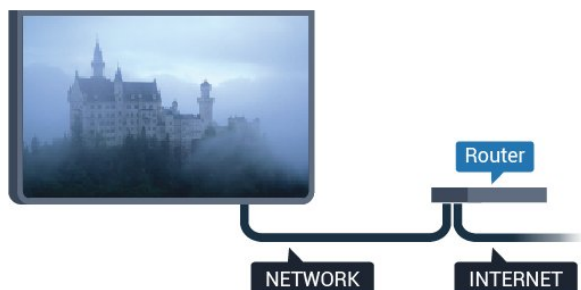
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## Kablet tilkobling

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### Det du trenger

Hvis du vil koble TV-en til Internett, trenger du en nettverksruter med Internett-tilkobling. Bruk en høyhastighetstilkobling til Internett (bredbånd).



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## Opprette tilkoblingen

### Opprett tilkoblingen – WPS

Trykk på [Hjem](#) > [Innstillinger](#) > [Trådløs og nettverk](#) > [Koble til nettverk](#) > [WIRED](#).

- 1 - Koble ruterens til fjernsynet med en nettverkskabel (Ethernet-kabel\*\*).
- 2 - Kontroller at ruterens er slått på.
- 3 - TV-en søker konstant etter nettverkstilkoblingen.
- 4 - Det vises en melding når tilkoblingen er opprettet.

Hvis tilkoblingen mislykkes, kan du kontrollere DHCP-innstillingen for ruterens. DHCP må slås på.

\*\*Bruk en skjermet FTP Cat. 5E-Ethernet-kabel for å overholde EMC-forskriftene.

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## Innstillinger

### Vis nettverksinnstillinger

Trykk på [Hjem](#) > [Innstillinger](#) > [Trådløs og nettverk](#) > [Innstillinger](#) > [Vis nettverksinnstillinger](#).

Her kan du se alle gjeldende nettverksinnstillinger. IP- og MAC-adresse, signalstyrke, hastighet, krypteringsmetode osv.

### Nettverkskonfigurasjon – DHCP / statisk IP

Trykk på [Hjem](#) > [Innstillinger](#) > [Trådløs og nettverk](#) > [Innstillinger](#) > [Nettverkskonfigurasjon](#) > [DHCP / Statisk IP](#).

Velg DHCP. Hvis du er avansert bruker, kan du alternativt konfigurere nettverket med statisk IP-adressering.

### Nettverkskonfigurasjon – statisk IP-konfigurasjon

Trykk på [Hjem](#) > [Innstillinger](#) > [Trådløs og nettverk](#) > [Innstillinger](#) > [Statisk IP-konfigurasjon](#).

1 - Velg Statisk IP-konfigurasjon, og konfigurere tilkoblingen.

2 - Du kan angi nummeret for IP-adresse, Nettmaske, Inngang, DNS 1 og DNS 2.

### Wake on LAN (WoL)

Trykk på [Hjem](#) > [Innstillinger](#) > [Trådløs og nettverk](#) > [Innstillinger](#) > [Wake on LAN \(WoL\)](#).

Aktiver/deaktiver Wake on LAN (WoL). Du kan aktivere TV-en ved hjelp av en ekstern enhet på samme LAN.

### Wake on Wi-Fi (WoWLAN)

Trykk på [Hjem](#) > [Innstillinger](#) > [Trådløs og nettverk](#) > [Innstillinger](#) > [Wake on Wi-Fi \(WoWLAN\)](#).

Aktiver/deaktiver Wake on Wi-Fi (WoWLAN). Du kan aktivere TV-en ved hjelp av en ekstern enhet på samme Wi-Fi.

### Nettverkstype

Trykk på [Hjem](#) > [Innstillinger](#) > [Trådløs og nettverk](#) > [Innstillinger](#) > [Nettverkstype](#).

- Kablet – Tilkobling til et kablet nettverk.
- Trådløst – Velg det trådløse nettverket ditt fra listen over oppdagede nettverk. Hvis nettverket ditt ikke vises i listen fordi nettverksnavnet er skjult (du har slått av ruterens SSID-kringkasting), velger du Legg til nytt nettverk for å angi nettverksnavnet selv.
- WPS – Hvis ruterens har WPS, kan du koble deg direkte til ruterens uten å søke etter nettverk. Hvis du har enheter i det trådløse nettverket som bruker WEP-systemet for sikkerhetskryptering, kan du ikke bruke WPS.
- WPS med PIN-kode – Hvis ruterens har WPS med en PIN-kode, kan du koble deg direkte til ruterens uten å søke etter nettverk. Hvis du har enheter i det trådløse nettverket som bruker WEP-systemet for sikkerhetskryptering, kan du ikke bruke WPS.

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## Google-konto

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### Logg på

For at du skal kunne benytte alle funksjonene på din Phillips Android-TV, kan du logge inn på Google med Google-kontoen din.

Ved å logge inn vil du kunne spille favorittspillene dine på både telefon, nettbrett og TV. Du kan også få tilpassede video- og musikkbefalinger på TV-ens startskjerm samt tilgang til YouTube, Google Play og andre apper.

Bruk din eksisterende **Google-konto** til å logge inn på Google på TV-en. En Google-konto består av en e-postadresse og et passord. Hvis du ikke har noen Google-konto ennå, kan du bruke datamaskinen eller nettbrettet til å opprette en (accounts.google.com). Hvis du vil spille spill med Google Play, må du ha en profil på Google+. Hvis du ikke logget inn under den første TV-installasjonen, kan du alltid logge inn senere.

### Logg på

Trykk på  Hjem >  Apper > Google Play.


Bruk skjermtastaturet til å angi e-postadresse og passord, og trykk på **OK** for å logge deg på.

---

### Android-innstillinger

Du kan angi eller vise flere Android-spesifikke innstillinger eller opplysninger. Du finner listen over apper som er installert på TV-en, og hvor mye lagringsplass de trenger. Du kan velge språk med talesøk. Du kan konfigurere skjermtastaturet eller tillate apper å bruke posisjonen din. Utforsk de ulike Android-innstillingene. Du kan gå til [www.support.google.com/androidtv](http://www.support.google.com/androidtv) for å få mer informasjon om disse innstillingene.

### Slik åpner du disse innstillingene

Trykk på  Hjem >  Innstillinger > Innstillinger > Android-innstillinger.

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11.5





## Kanaler

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### Kanallister

#### Om kanallister

Etter kanalinstallasjonen vises alle kanalene i kanallisten. Kanalene vises sammen med navnet og logoen hvis denne informasjonen er tilgjengelig.

Når du har valgt en kanalliste, trykker du på pilene  (opp) eller  (ned) for å velge en kanal og deretter på **OK** for å se på den valgte kanalen. Du kan bare gå til kanalene i listen når du bruker tastene  + eller .




#### Radiostasjoner

Hvis digital kringkasting er tilgjengelig, blir digitale radiostasjoner installert under installasjonen. Bytt til en radiokanal på samme måte som du bytter til en TV-kanal.

---

### Åpne en kanalliste


Slik åpner du den gjeldende kanallisten

1. Trykk på  for å bytte til TV.
2. Trykk på  for å åpne den gjeldende kanallisten.
3. Trykk på  igjen for å lukke kanallisten.

---

### Se på kanaler


#### Gå til en kanal

Hvis du vil begynne å se på TV-kanaler, trykker du på . TV-en går til TV-kanalen du så på sist.

#### Bytt kanaler

– Hvis du vil bytte kanal, trykker du på  + eller  -.

#### Forrige kanal

– Hvis du vil bytte tilbake til forrige kanal, trykker du på  **BACK**.

#### Kanalliste

Mens du ser på en TV-kanal, trykker du på  for å åpne kanallisten.

---



### Kanalalternativer

#### Åpne alternativene

#### Vanlig grensesnitt

Hvis du har installert en CAM-modul i en av de vanlige grensesnittsporene, kan du vise CAM-modulen og operatørinformasjonen eller gjøre CAM-relaterte innstillinger.

Slik viser du CAM-informasjon

- 1 - Gå til kanalen og trykk på  **OPTIONS**.
- 2 - Velg **Vanlig grensesnitt**.
- 3 - Velg det aktuelle sporet for vanlig grensesnitt, og trykk på  (høyre).
- 4 - Velg TV-operatøren for CAM-modulen, og trykk på **OK**. Skjermbildene som følger, kommer fra TV-operatøren.

---

### Teksting





#### Tekstspråk

---

## Foretrukne tekstspråk

Digitale sendinger kan tilby en rekke tekstspråk for et program. Du kan angi et foretrukket primær- og sekundærttekstspråk. Hvis teksting på ett av disse språkene er tilgjengelig, viser TV-en tekstingen du valgte.

Slik angir du primær- og sekundærttekstspråk


- 1 - Trykk på  Hjem. Trykk på , velg **Innstillinger** og trykk på **OK**.
- 2 - Velg **Region og språk > Språk > Primærtteksting** eller **Sekundærtteksting**.
- 3 - Velg ønsket språk, og trykk på **OK**.
- 4 - Trykk på  (venstre) for å gå ett trinn tilbake, eller trykk på  **BACK** for å lukke menyen.

---

## Velg et tekstspråk

Hvis ingen av de foretrukne tekstspråkene er tilgjengelige, kan du velge et annet tekstspråk som er tilgjengelig. Hvis ingen tekstspråk er tilgjengelige, kan du ikke velge dette alternativet.

Slik velger du et tekstspråk når ingen av dine foretrukne språk er tilgjengelige

- 1 - Trykk på  **OPTIONS**.
- 2 - Velg **Tekstspråk**, og velg et av språkene som teksting midlertidig.

---





## Lydspråk

---

### Foretrukket lydspråk

Digitale sendinger kan tilby en rekke lydspråk (talte språk) for et program. Du kan angi et foretrukket primær- og sekundærlydspråk. Hvis lyd på ett av disse språkene er tilgjengelig, bytter TV-en til lydspråket.

Slik angir du primær- og sekundærlydspråk ...


- 1 - Trykk på  Hjem. Trykk på , velg **Innstillinger** og trykk på **OK**.
- 2 - Velg **Region og språk og velg Språk > Primærlyd** eller **Sekundærlyd**.
- 3 - Velg ønsket språk, og trykk på **OK**.
- 4 - Trykk på  (venstre) for å gå ett trinn tilbake, eller trykk på  **BACK** for å lukke menyen.

---

## Velg et lydspråk

Hvis ingen av de foretrukne lydspråkene er tilgjengelige, kan du velge et annet lydspråk som er tilgjengelig. Hvis ingen lydspråk er tilgjengelige, kan du ikke velge dette alternativet.

Slik velger du et lydspråk når ingen av dine foretrukne språk er tilgjengelige


- 1 - Trykk på  **OPTIONS**.
- 2 - Velg **Lydspråk**, og velg et av språkene som lyd midlertidig.

---

## Kanalinformasjon

### Vis kanaldetaljer

Slik henter du frem detaljene for den valgte kanalen ...





- 1 - Gå til kanalen.
- 2 - Trykk på  **OPTIONS**, velg **Kanalinformasjon** og trykk på **OK**.
- 3 - For å lukke denne skjermen trykker du på **OK**.

---

## Mono/stereo

Du kan bytte til mono- eller stereolyd for en analog kanal.

Slik bytter du til mono- eller stereolyd


- 1 - Gå til en analog kanal.
- 2 - Trykk på  **OPTIONS**, velg **Mono/Stereo** og trykk på  (høyre).
- 3 - Velg **Mono** eller **Stereo**, og trykk på **OK**.
- 4 - Trykk på  (venstre) for å gå ett trinn tilbake, eller trykk på  **BACK** for å lukke menyen.

---

## Programinformasjon

### Vise programdetaljer

Slik henter du frem detaljene for det valgte programmet

- 1 - Gå til kanalen.
- 2 - Trykk på  **OPTIONS**, velg **Programinformasjon** og trykk på **OK**.
- 3 - For å lukke denne skjermen trykker du på **OK**.

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11.6

## Kanalinstallasjon

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### Installere kanaler

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#### Antenne-/kabelinstallasjon



---

#### Søk etter kanaler

Du kan installere alle kanaler på nytt uten å endre noen andre innstillinger på TV-en.

Hvis en PIN-kode er angitt, må du angi denne koden før du kan installere kanaler på nytt.

Slik søker du etter kanaler ...

1 - Trykk på  Hjem >  Innstillinger > Installer kanaler og trykk på **OK**.

2 - Velg **RF-kanalinstallasjon** og trykk på **OK**.

3 - Oppgi om nødvendig PIN-koden.

Velg **Automatisk kanalsøk**, og trykk på **OK**.

Velg **Start**, og trykk på **OK**.

Velg landet du befinner deg i, og trykk på **OK**.

Velg **Start**, og trykk på **OK**.



Velg ønsket installasjonstype, **Antenne (DVB-T)** eller **Kabel (DVB-C)**, og trykk på **OK**.

Velg **Neste**, og trykk på **OK**.

Velg ønsket kanaltype, **Digitale og analoge kanaler** eller **Bare digitale kanaler**, og trykk på **OK**.

Velg **Neste**, og trykk på **OK**.


Velg **Start**, og trykk på **OK** for å oppdatere de digitale kanalene. Dette kan ta noen minutter.

Trykk på  (venstre) for å gå ett trinn tilbake, eller trykk på  **BACK** for å lukke menyen.



---

### Automatisk kanaloppdatering

Hvis du mottar digitale kanaler, kan du stille inn TV-en slik at den automatisk oppdaterer disse kanalene.

Klokka 6.00 hver dag oppdaterer TV-en kanalene og lagrer nye kanaler. Nye kanaler lagres i kanallisten og merkes med en . Kanaler uten et signal fjernes. TV-en må være i standby for at kanalene skal oppdateres automatisk. Du kan slå av automatisk kanaloppdatering.

Slik slår du av den automatiske oppdateringen



1 - Trykk på  Hjem >  Innstillinger > Installer kanaler og trykk på **OK**.

2 - Velg **RF-kanalinstallasjon** og trykk på **OK**.

3 - Oppgi om nødvendig PIN-koden.

4 - Velg **Automatisk kanaloppdatering** og trykk på **OK**.

5 - Velg **Av**, og trykk på **OK**.



6 - Trykk på  (venstre) for å gå ett trinn tilbake, eller trykk på  **BACK** for å lukke menyen.

---

### Kanal, automatisk kanaloppdatering

Når nye kanaler blir funnet eller kanaler oppdateres eller fjernes, vises det en melding når TV-en starter opp. Hvis du ikke vil at denne meldingen skal vises etter hver oppdatering, kan du slå den av.

Slik slår du av meldingen


1 - Trykk på  Hjem >  Innstillinger > Installer kanaler og trykk på **OK**.

2 - Velg **RF-kanalinstallasjon** og trykk på **OK**.

3 - Oppgi om nødvendig PIN-koden.

4 - Velg **Automatisk kanaloppdatering** og trykk på **OK**.

5 - Velg **Av**, og trykk på **OK**.

6 - Trykk på  (venstre) for å gå ett trinn tilbake,

eller trykk på  **BACK** for å lukke menyen.



I visse land skjer automatisk kanaloppdatering mens du ser på TV, eller når som helst mens TV-en står i standby.

---

### Digital: Manuell installasjon


Digitale TV-kanaler kan søkes inn manuelt én etter én.

Slik installerer du digitale kanaler manuelt ...

1 - Trykk på  Hjem >  Innstillinger > Installer kanaler og trykk på **OK**.

2 - Velg **RF-kanalinstallasjon** og trykk på **OK**.

3 - Velg **Digital: Manuell installasjon**, og trykk på **OK**.



4 - Velg **Søk**, og trykk på **OK**. Du kan velge en frekvens selv for å finne en kanal eller la TV-en søke etter en kanal. Trykk på  (høyre) for å velge **Søk**, og trykk på **OK** for å søke etter en kanal automatisk. Kanalen som ble funnet, vises på skjermen. Hvis mottaket er dårlig, kan du trykke på **Søk** igjen. Hvis du vil lagre kanalen, velger du **Utført** og trykker på **OK**.

---

### Analog: Manuell installasjon

Analoge TV-kanaler kan søkes inn manuelt én etter én.

Slik installerer du analoge kanaler manuelt

1 - Trykk på  Hjem >  Innstillinger > Installer kanaler og trykk på **OK**.

2 - Velg **RF-kanalinstallasjon** og trykk på **OK**.

3 - Velg **Analog: Manuell installasjon**, og trykk på **OK**.


#### • System

Hvis du vil konfigurere TV-systemet, velger du **System**.

Velg landet eller den delen av verden du befinner deg i, og trykk på **OK**.

#### • Søk etter kanal

For å finne en kanal, velger du **Søk etter kanal** og trykker på **OK**. Du kan velge en frekvens selv for å finne en kanal eller la TV-en søke etter en kanal.

Trykk på  (høyre) for å velge **Søk**, og trykk på **OK** for å søke etter en kanal

automatisk. Kanalen som ble funnet, vises på skjermen. Hvis mottaket er dårlig, kan du trykke på **Søk** igjen. Hvis du vil lagre kanalen, velger du **Utført** og trykker på **OK**.

#### • Lagre

Du kan lagre kanalen på det aktuelle kanalnummeret eller som et nytt kanalnummer.

Velg **Lagre gjeldende kanal** eller **Lagre som ny kanal**, og trykk på **OK**. Det nye kanalnummeret vises kort.

Du kan gjenta disse trinnene til du har funnet alle tilgjengelige analoge TV-kanaler.

---

11.7

## Internett







---

### Starte Internett

Du kan bruke TV-en til å surfe på Internett. Du kan se et hvilket som helst nettsted, men de fleste er ikke klargjort for visning på en TV-skjerm.

- Enkelte programtillegg (for eksempel for å vise sider eller videoer) er ikke tilgjengelig på TV-en din.
- Du kan ikke sende eller laste ned filer.
- Internett-sider vises én side om gangen og i fullskjerm.

Slik starter du nettleseren ...


- 1 - Trykk på  HOME.
- 2 - Blad ned og velg  Apper >  Internett og trykk på OK.
- 3 - Skriv inn en Internett-adresse, velg , og trykk på OK.
- 4 - Hvis du vil lukke Internett, trykker du på  HOME eller .

---

### Alternativer for Internett

Noen tilleggsfunksjoner er tilgjengelige for Internett.

Slik åpner du tilleggsfunksjonene ...

- 1 - Gå til nettstedet og trykk på  OPTIONS.
- 2 - Velg et element, og trykk på OK.
  - Legg til i hurtigoppringing: Hvis du vil angi en ny Internett-adresse.
  - Legg til i bokmerker: Legg til siden som et bokmerke
  - Sidesikkerhet: Hvis du vil vise sikkerhetsnivået til siden som er åpen.
  - Ny privat fane: Åpne en ny privat fane for å få privat surfing
  - Innstillinger: Innstillinger for zoom, tekststørrelse, tilgjengelighetsmodus, alltid vis menylinjen og slett historikk (surfing)
  - Hjelp: Nettleserinformasjon
  - Gå ut av nettleseren: Lukk nettleseren

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11.8

## Smarttelefoner og nettbrett

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## MHL

Denne TV-en er MHL™-kompatibel.

Hvis den mobile enheten din også er MHL-kompatibel, kan du koble den mobile enheten til TV-en med en MHL-kabel. Når MHL-kabelen er tilkoblet, kan du dele det som er på den mobile enheten, på TV-skjermen. Batteriet til den mobile enheten lades samtidig. MHL-tilkoblingen er ideell til å se filmer eller spille spill fra den mobile enheten på TV-en over lengre tid.

### Lading

Med MHL-kabelen tilkoblet lades enheten så lenge TV-en er påslått (ikke i standby).

### MHL-kabel

Du trenger en passiv MHL-kabel (HDMI til Micro USB) for å koble den mobile enheten til TV-en. Du trenger kanskje en ekstra adapter for å koble til den mobile enheten. Bruk HDMI 1 MHL-inngangen til å koble MHL-kabelen til TV-en.



MHL, Mobile High-Definition Link og MHL-logoen er varemerker eller registrerte varemerker som tilhører MHL, LLC.

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11.9

## Programvare




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### Oppdater programvare

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#### Programvareversjon

Slik viser du den gjeldende programvareversjonen for TV-en

- 1 - Trykk på , velg **Innstillinger**  og trykk på OK.
- 2 - Velg **Oppdater programvare** > **Gjeldende fastvare** og trykk på OK.
- 3 - Du vil nå se versjon, produktmerknader og opprettelsesdato.
- 4 - Trykk om nødvendig på  (venstre) gjentatte ganger for å lukke menyen.

---

#### Oppdater fra nettsted

Du kan finne den gjeldende fastvareversjonen for TV-en på Innstillinger-menyen under Oppdater programvare > Gjeldende programvare.

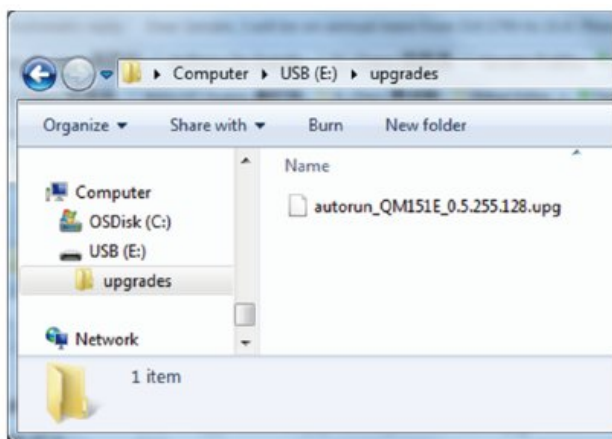
Sjekk [www.philips.com/support](http://www.philips.com/support) regelmessig for nye

fastvareoppdateringer.

Følg instruksjonene nedenfor for å oppdatere fastvaren for TV-en.

Last ned den nyeste programvaren ...

- 1 - Start Internet Explorer.
- 2 - Gå til Philips' nettside for kundestøtte på <http://www.philips.com/support>.
- 3 - Skriv inn modellnummeret. (Du finner modellnummeret på etiketten på baksiden på TV-en.)
- 4 - Når du går til TV-ens produktside, velger du Kundestøtte.
- 5 - Velg Programvareoppdateringer, og klikk på Last ned fil for å laste ned programvaren. (Programvaren er tilgjengelig som en ZIP-fil.)
- 6 - Hvis programvareversjonen er høyere enn versjonen som er installert på TV-en, klikker du på koblingen for nedlasting av programvare.
- 7 - Godta lisensavtalen/vilkårene for bruk, velg Jeg godtar, og dermed blir ZIP-filen lastet ned automatisk.
- 8 - Pakk ut ZIP-filen til en mappe ved hjelp av et arkiveringsverktøy.
- 9 - Opprett mappen Oppgraderinger i hovedmappetreet på minnepinnen.
- 10 - Kopier UPG-filen du har pakket ut tidligere, til mappen Oppgraderinger, som illustrert på bildet nedenfor.
- 11 - Koble minnepinnen fra datamaskinen.



Oppdater programvaren ...

- 1 - Koble minnepinnen (som inneholder programvareoppdateringen) til USB-kontakten på TV-en. Vent 30 sekunder eller til USB-kontakten gjenkjennes av TV-en.
- 2 - TV-en starter nedlasting av programvaren automatisk.
- 3 - Når nedlastingen av programvaren er fullført, trykker du på Start for å aktivere oppgraderingen av TV-en.

---

# Programvare med åpen kildekode

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## Lisens på åpen kildekode

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### Om åpen kildekode-lisensen

README-fil for kildekoden for de delene av TV-programvaren fra TP Vision Netherlands B.V. som faller under lisenser for åpen kildekode.

Dette er et dokument som beskriver distribusjonen av kildekoden som brukes på TV-en fra TP Vision Netherlands B.V., og som faller inn under GNU General Public License (GPL), GNU Lesser General Public License (LGPL) eller alle andre lisenser for åpen kildekode. Instruksjoner for å anskaffe kopier av denne programvaren finner du i bruksanvisningen.

TP Vision Netherlands B.V. GIR IKKE NOEN GARANTIER, ENTEN UTTRYKT ELLER IMPLISITT, OG DETTE INKLUDERER GARANTIER OM SALGBARHET ELLER EGNETHET FOR ET BESTEMT FORMÅL, FOR DENNE PROGRAMVAREN. TP Vision Netherlands B.V. yter ikke støtte for denne programvaren. Det foregående påvirker ikke garantiene dine eller de lovbestemte rettighetene dine i forbindelse med produkter du har kjøpt fra TP Vision Netherlands B.V. Det gjelder kun for denne kildekoden som er gjort tilgjengelig for deg.

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## Open Source

### Android (7.1.1)

This tv contains the Android Nougat 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 (3.10.79)

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"

### libcurl (7.50.1)

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 NOTICE Copyright (c) 1996 - 2010, Daniel Stenberg, [daniel@haxx.se](mailto:daniel@haxx.se). All rights reserved. Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice 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.

### libfreetype (2.4.2)

FreeType is a software development library, available in source and binary forms, used to render text on to bitmaps and provides support for other font-related operations. The original download site for this



software is  
: <https://github.com/julienr/libfreetype-android>  
Freetype License

#### libjpegex (8a)

This package contains C software to implement JPEG image encoding, decoding, and transcoding. This software is based in part on the work of the Independent JPEG Group.-----The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy. This software is copyright (C) 1991-1998, Thomas G. Lane. All Rights Reserved except as specified below. Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind. These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us. Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software". We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

#### libpngex (1.4.1)

libpng is the official Portable Network Graphics (PNG) reference library (originally called pnglib). It is a platform-independent library that contains C functions for handling PNG images. It supports almost all of PNG's features, is extensible. The original download site for this software is :  
<https://github.com/julienr/libpng-androidlibpng>  
license

#### dvbsnoop (1.2)

dvbsnoop is a DVB / MPEG stream analyzer program. For generating CRC32 values required for composing PAT, PMT, EIT sections The original download site for this software is :  
[https://github.com/a4tunado/dvbsnoop/blob/master/src/misc/crc32.cGPL\\_v2](https://github.com/a4tunado/dvbsnoop/blob/master/src/misc/crc32.cGPL_v2)  
<http://dvbsnoop.sourceforge.net/dvbsnoop.html>

#### gSoap (2.7.15)

The gSOAP toolkit is an open source C and C++ software development toolkit for SOAP/XML Web services and generic (non-SOAP) C/C++ XML data bindings. Part of the software embedded in this product is gSOAP software. Portions created by gSOAP are Copyright 2001-2009 Robert A. van Engelen, Genivia inc. All Rights Reserved. THE SOFTWARE IN THIS PRODUCT WAS IN PART PROVIDED BY GENIVIA INC AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### restlet (2.3.0)

Restlet is a lightweight, comprehensive, open source REST framework for the Java platform. Restlet is suitable for both server and client Web applications. It supports major Internet transport, data format, and service description standards like HTTP and HTTPS, SMTP, XML, JSON, Atom, and WADL. The original download site for this software is :  
<http://restlet.org> This piece of software is made available under the terms and conditions of the Apache License version 2.

#### FaceBook SDK (3.0.1)

This TV contains Facebook SDK. The Facebook SDK for Android is the easiest way to integrate your Android app with Facebook's platform. The SDK provides support for Login with Facebook authentication, reading and writing to Facebook APIs and support for UI elements such as pickers and dialogs. The original download site for this software is :  
<https://developer.facebook.com/docs/android>

This piece of software is made available under the terms and conditions of the Apache License version 2.

#### ffmpeg (2.1.3)

This TV uses FFmpeg. FFmpeg is a complete, cross-platform solution to record, convert and stream audio and video. The original download site for this software is : <http://ffmpeg.org> This piece of software is made available under the terms and conditions of the GPL v2 license, which can be found below.

#### gson (2.3)

This TV uses gson. Gson is a Java library that can be used to convert Java Objects into their JSON representation. It can also be used to convert a JSON string to an equivalent Java object. Gson can work with arbitrary Java objects including pre-existing objects that you do not have source-code of. The original download site for this software is : <https://code.google.com/p/google-gson/> . This piece of software is made available under the terms and conditions of the Apache License 2.0

This software includes an implementation of the AES Cipher, licensed by Brian Gladman. The original download site for this software is : <http://www.gladman.me.uk/> This piece of software is licensed by Brian Gladman.

#### libUpNp (1.2.1)

The original download site for this software is : <http://upnp.sourceforge.net/> This piece of software is made available under the terms and conditions of the BSD.

#### live555 (0.82)

Live555 provides RTP/RTCP/RTSP client. 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 LGPL v2.1 license, which can be found below.

#### dnsmasq

Dnsmasq is a lightweight, easy to configure DNS forwarder and DHCP server. The original download site for this software is : <https://android.googlesource.com/platform/external/dnsmasq> This piece of software is made available under the terms and conditions of the GPL v2 license, which can be found below.

#### TomCrypt (1.1)

iwedia stack is using tomcrypt for sw decryption. The original download site for this software is : <http://manpages.ubuntu.com/manpages/saucy/man3/libtomcrypt.3.html>. This piece of software is made available under the terms and conditions of the WTFPL.

#### u-boot (2011-12)

U-boot is a boot loader for embedded boards based on ARM, MIPS and other processors, which can be installed in a boot ROM and used to initialize and test the hardware or to download and run application code. This piece of software is made available under the terms and conditions of the GPL v2 license, which can be found below.

#### AsyncHttpClient (1.4.9)

The original download site for this software is : <http://loopj.com/android-async-http/> This piece of software is made available under the terms and conditions of the APACHE LICENSE 2.0

#### httpClient-4.4.1.1 (4.4.1.1)

This is needed to import cz.msebera.android.httpClient used by AssyncHttpClient The original download site for this software is : <http://mvnrepository.com/artifact/cz.msebera.android/httpclient/4.4.1.1> This piece of software is made available under the terms and conditions of the APACHE LICENSE 2.0

#### Jackson Parser (2.x)

lpepg client uses Jackson Parser for string manipulation. The original download site for this software is : <https://github.com/FasterXML/jackson-core> This piece of software is made available under the terms and conditions of the APACHE LICENSE 2.0

#### audio a2dp (2.x)

Bluetooth stack. The original download site for this software is : [https://android.googlesource.com/platform/system\\_bt](https://android.googlesource.com/platform/system_bt) This piece of software is made available under the terms and conditions of the APACHE LICENSE 2.0

#### libexif (0.6.21)

Exif JPEG header manipulation tool. The original download site for this software is

: <http://libexif.sourceforge.net/> This piece of software is made available under the terms and conditions of the APACHE LICENSE 2.0

libexpat (2.1.0)

Expat XML Parser. The original download site for this software is : <http://www.libexpat.org/Expat> is free software. You may copy, distribute, and modify it under the terms of the License contained in the file COPYING distributed with this package. This license is the same as the MIT/X Consortium license.

libFFTEm ( )

neven face recognition library. The original download site for this software is : No info. This piece of software is made available under the terms and conditions of the APACHE LICENSE 2.0

libcui18n (49.1.1)

International Components for unicode. The original download site for this software is : <http://icu-project.org> This piece of software is made available under the terms and conditions of the BSD.

libiprouteutil (3.4.0)

iproute2 TCP/IP networking and traffic control. The original download site for this software is : <http://www.linuxfoundation.org/> This piece of software is made available under the terms and conditions of the GPL v2. which can be found below

libjpeg (3.4.0)

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. The original download site for this software is : <http://www.iijg.org/libjpeg-turbo> is covered by three compatible BSD-style open source licenses. Refer to LICENSE.txt for a roll-up of license terms.

libmtp (1.0.1)

libmtp 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 LGPL V2.

libmdnssd (320.10.80)

MDNS Responder. The mDNSResponder project is a component of Bonjour, 5Apple's ease-of-use IP networking initiative. The original download site for this software is

: <http://www.opensource.apple.com/tarballs/mDNSResponder/> This piece of software is made available under the terms and conditions of the Apache license version 2

libnfc\_ndef ( )

The original download site for this software is : No info. This piece of software is made available under the terms and conditions of the Apache license version 2

libskia ( )

skia 2D graphics library Skia is a complete 2D graphic library for drawing Text, Geometries, and Images. The original download site for this software is : <http://code.google.com/p/skia/> This piece of software is made available under the terms and conditions of the BSD.

libsonivox ( )

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libsqlite (3.9.2)

SQLite database. 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 Android APACHE License Version 2.

libttspeco ( )

The original download site for this software is : No info. This piece of software is made available under the terms and conditions of the Android APACHE License Version 2.

libtinyalsa ( )

tinyalsa: a small library to interface with ALSA in the Linux kernel. The original download site for this software is : No info. This piece of software is made available under the terms and conditions of the BSD.

wpa\_supplicant (0.8)

Library used by legacy HAL to talk to wpa\_supplicant

daemon. The original download site for this software is : <http://hostap.epitest.fi/> This piece of software is made available under the terms and conditions of the GPLv2.

libz (1.2.8)

zlib compression library. The original download site for this software is : <http://zlib.net> This piece of software is made available under the terms and conditions of the BSD.

iptables (1.4.20)

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 GPLv2.

toolbox (1.2.8)

The 'toolbox' command in Android is a multi-function program. It encapsulates the functionality of many common Linux commands (and some special Android ones) into a single binary. This makes it more compact than having all those other commands installed individually. 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 Android APACHE License Version 2.

libssl

(7b8b9c17db93ea5287575b437c77fb36eeb81b31)

BoringSSL. The original download site for this software is : <https://boringssl.googlesource.com/boringssl/> This piece of software is made available under the terms and conditions of the BSD.

libOpenMAXAL

(7b8b9c17db93ea5287575b437c77fb36eeb81b31)

OpenMAX AL is an application-level multimedia playback and recording API for mobile embedded devices. The original download site for this software is : <https://www.khronos.org/openmax/> License free

libOpenSLES (1.0)

Khronos OpenSL Sound API spec. The original

download site for this software is : <https://www.khronos.org/opensles/> License free

libEGL libGLESv1\_CM (3.1)

Khronos OpenGL Graphics API spec. The original download site for this software is : <https://www.opengl.org/> License free

libffmpeg\_av (2.1)

FFmpeg media player. The original download site for this software is : <https://ffmpeg.org/> This piece of software is licensed under LGPL v2.1

libcurlmheg (7.21.6)

curl for MHEG. The original download site for this software is : <https://ffmpeg.org/> Curl and libcurl are licensed under a MIT/X derivative license. Please look at <https://curl.haxx.se/docs/copyright.html>

boringssl

(af0e32cb84f0c9cc65b9233a3414d2562642b342)

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libpng (1.6.22beta)

libpng is the official Portable Network Graphics (PNG) reference library (originally called pnglib). It is a platform-independent library that contains C functions for handling PNG images. It supports almost all of PNG's features, is extensible. The original download site for this software is : <https://github.com/julienr/libpng-android> This code is released under the libpng license.

Hue SDK (1.8.1)

TV ambihue app uses Philips SDK to find the hue bridge name. The 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)

This TV contains Opera Browser Software.

Third-party licenses

WebKit

name License

WebKit URL: <http://webkit.org/>

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## Copyright FAQ

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1. I don't understand the resale restriction... What 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 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?

Sure. Bundle the fonts with your software and sell your software

with the fonts. That is the intent of the copyright.

8. If applications have built the names "Bitstream Vera" into them,

can I override this somehow to use fonts of my choosing?

This depends on exact details of the software. Most open source

systems and software (e.g., Gnome, KDE, etc.) are now converting to

use fontconfig (see [www.fontconfig.org](http://www.fontconfig.org)) to handle font configuration,

selection and substitution; it has provisions for overriding font

names and substituting alternatives. An example is provided by the

supplied local.conf file, which chooses the family Bitstream Vera for

"sans", "serif" and "monospace". Other software (e.g., the XFree86

core server) has other mechanisms for font substitution.

Open Sans fonts

URL:

<http://www.google.com/fonts/specimen/Open+Sans>

License for Open Sans Font Family

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Version 2.0,

January 2004

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VL Gothic fonts

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libcurl

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libcurl - lib/krb5.c

URL:

[https://github.com/bagder/curl/blob/master/lib/krb5\\_c](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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libcurl - lib/security.c

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

/\* This source code was modified by Martin Hedenfalk <mhe@stacken.kth.se> for

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It has since been patched and modified a lot by Daniel Stenberg

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dynamic annotations

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Paul Hsieh's SuperFastHash

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google-glog's symbolization library

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Google Cache Invalidation API

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Crashpad

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dom-distiller-js

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

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\* 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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and Takuji Nishimura,

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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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URL: <http://git.xiph.org/?p=opus.git>

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OTS (OpenType Sanitizer)

URL: <https://github.com/khaledhosny/ots.git>

PLY (Python Lex-Yacc)

URL: <http://www.dabeaz.com/ply/ply-3.4.tar.gz>

PLY (Python Lex-Yacc)

Version 3.4

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>

qcms

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re2 - an efficient, principled regular expression library

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

sfntly

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

Skia

URL: <https://skia.org/>

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SMHasher

URL: <http://code.google.com/p/smhasher/>

Snappy: A fast compressor/decompressor

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

sqlite

URL: <http://sqlite.org/>

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tcmmalloc

URL: <http://gperftools.googlecode.com/>

The USB ID Repository

URL: <http://www.linux-usb.org/usb-ids.html>

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usrsrcp

URL: <http://github.com/sctplab/usrsrcp>

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Web Animations JS

URL: <https://github.com/web-animations/web-animations-js>

WebRTC

URL: <http://www.webrtc.org>

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x86inc

URL:

<http://git.videolan.org/?p=x264.git;a=blob:f=common/x86/x86inc.asm>

```
.*****  
,  
*****
```

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.* x86inc.asm
```

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.*****  
,  
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```
.* Copyright (C) 2005-2011 x264 project
```

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.*  
,
```

```
.* Authors: Loren Merritt <lorenm@u.washington.edu>
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<BugMaster@narod.ru>
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.* Jason Garrett-Glaser  
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.*  
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```

```
;  
; This is a header file for the x264ASM assembly  
language, which uses  
;  
; NASM/YASM syntax combined with a large number  
of macros to provide easy  
;  
; abstraction between different calling conventions  
(x86_32, win64, linux64).  
;  
; It also has various other useful features to simplify  
writing the kind of  
;  
; DSP functions that are most often used in x264.  
  
;  
; Unlike the rest of x264, this file is available under an  
ISC license, as it  
;  
; has significant usefulness outside of x264 and we  
want it to be available  
;  
; to the largest audience possible. Of course, if you  
modify it for your own  
;  
; purposes to add a new feature, we strongly  
encourage contributing a patch  
;  
; as this feature might be useful for others as well.  
Send patches or ideas  
;  
; to x264-devel@videolan.org .
```

```
zlib  
URL: http://zlib.net/
```

```
/* zlib.h -- interface of the 'zlib' general purpose
```

```
compression library  
version 1.2.4, March 14th, 2010
```

```
Copyright (C) 1995-2010 Jean-loup Gailly and Mark  
Adler
```

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```
Jean-loup Gailly  
Mark Adler
```

```
*/
```

```
url_parse  
URL: http://mxr.mozilla.org/comm-central/source/mozilla/network/base/src/nsURLParsers.cpp
```

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- Strongtalk assembler, the basis of the files assembler-arm-inl.h,

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assembler-ia32.cc, assembler-ia32.h, assembler-x64-inl.h,

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# Hjelp og støtte

## 13.1

### Feilsøking

#### Slå på og fjernkontroll

##### TV-en slå seg ikke på

- Koble strømkabelen fra stikkontakten. Vent i ett minutt, og sett den inn igjen.
- Kontroller at strømkabelen er godt festet.

##### Knirkelyder ved oppstart eller avslåing

Du kan høre en knirkelyd fra TV-chassiset når du slår TV-en på eller av eller setter den i standby. Knirkelyden skyldes normale utvidelser og sammentrekninger i TV-en mens den kjøler seg ned eller varmes opp. Dette vil ikke påvirke ytelsen.

##### Fjernsynet reagerer ikke på fjernkontrollen

Fjernsynet trenger tid til å slå seg på. I løpet av denne tiden vil ikke fjernsynet reagere på fjernkontrollen eller fjernsynskontrollene. Dette er helt normalt. Hvis TV-en heller ikke reagerer på fjernkontrollen en god stund etter at den er slått på, kan du sjekke om fjernkontrollen virker, ved å bruke kameraet på mobiltelefonen din. Sett telefonen i kameramodus, og rett fjernkontrollen mot kamerallinsen. Hvis du trykker på en tast på fjernkontrollen og ser flimring fra den infrarøde lysdioden (LED) gjennom kameraet, virker fjernkontrollen. Da må du få noen til å undersøke TV-en.

Hvis du ikke ser noe flimring, kan det være at fjernkontrollen er ødelagt, eller at batteriene er flate. Denne metoden for å sjekke fjernkontrollen er ikke mulig med fjernkontroller som er trådløst parede med TV-en.

##### Fjernsynet går tilbake til standby etter å ha vist startbildet med Philips-logoen

Når TV-en står i standby, vises det et startbilde med en Philips-logo, og deretter går TV-en tilbake til Standby-modus. Dette er helt normalt. Når TV-en kobles fra og deretter til strømkilden igjen, vil startbildet vises ved neste oppstart. Hvis du vil slå på TV-en mens den er i standby, trykker du på **⏻** på fjernkontrollen eller på TV-en.

##### Standby-lyset fortsetter å blinke

Koble strømkabelen fra stikkontakten. Vent i fem minutter før du setter den inn igjen. Hvis blinkingen starter på nytt, kontakter du Philips' forbrukerstøtte for TV-er.

## Kanaler

Det ble ikke funnet noen digitale kanaler under installasjonen

Se den tekniske spesifikasjonen for å forsikre deg om at fjernsynet støtter DVB-T eller DVB-C i ditt land. Se til at alle kablene er skikkelig festet, og at riktig nettverk er valgt.

##### Tidligere installerte kanaler finnes ikke i kanallisten

Sørg for å velge riktig kanalliste.

## Bilde

##### Intet bilde / forvrengt bilde

- Sørg for at antennen er skikkelig koblet til TV-en.
- Sjekk at rett enhet er valgt som skjermkilde.
- Sørg for at den eksterne enheten eller kilden er skikkelig tilkoblet.

##### Lyd, men intet bilde

- Sjekk at bildeinnstillingene er korrekte.

##### Dårlig antennemottak

- Sørg for at antennen er skikkelig koblet til TV-en.
- Høytalere, lydenheter uten jording, neonlys, høye bygninger og andre store objekter kan påvirke mottaksforholdene. Prøv om mulig å forbedre mottaks kvaliteten ved å endre antennens retning eller plassere elektroniske enheter lenger bort fra TV-en.
- Hvis mottaket for en enkeltkanal er dårlig, kan du finjustere kanalen.

##### Dårlig bilde fra en enhet

- Kontroller at enheten er ordentlig tilkoblet.
- Sjekk at bildeinnstillingene er korrekte.

##### Bildet passer ikke til skjermen

Velg et annet bildeformat.

##### Bildeposisjonen er feil

Bildesignalene fra enkelte enheter passer ikke ordentlig til skjermen. Kontroller signalet fra den tilkoblede enheten.

##### Bildet fra datamaskinen er ustabilt

Kontroller at PC-en bruker den støttede oppløsningen og oppdaterings hastigheten.

## Lyd

##### Ingen lyd eller dårlig lyd kvalitet

Hvis det ikke fanges opp noe lyd signal, vil fjernsynet automatisk slå av lyd utgangen – det betyr ikke at noe er galt.

- Sjekk at lydinnstillingene er riktig innstilt.
- Sørg for at alle kablene er ordentlig tilkoblet.



- Sjekk at lyden ikke er dempet eller satt til null.
- Sørg for at TV-lydutgangen er koblet til lydinngangen på hjemmekinosystemet. Du skal kunne høre lyd fra HTS-høytalerne.
- Noen enheter krever at du aktiverer HDMI-lydutgangen manuelt. Hvis HDMI-lyd allerede er aktivert, men du likevel ikke hører noen lyd, kan du prøve å endre enhetens digitale lydformat til PCM (Pulse Code Modulation). Sjekk dokumentasjonen som fulgte med enheten, hvis du vil ha flere instruksjoner.

---

## Tilkoblinger

### HDMI

- Merk at støtte for HDCP (High-bandwidth Digital Content Protection) kan forlenge tiden det tar for en TV å vise innhold fra en HDMI-enhet.
- Hvis TV-en ikke gjenkjenner HDMI-enheten, og det ikke vises noe bilde, kan du bytte kilde fra én enhet til en annen og tilbake igjen.
- Hvis det forekommer uregelmessige lydforstyrrelser, må du kontrollere at riktige utgangsinstillinger på HDMI-enheten er valgt.
- Hvis du bruker en HDMI-til-DVI-adapter eller HDMI-til-DVI-kabel, må du sørge for at det er satt inn en ekstra lyd-kabel i AUDIO IN (bare minijack), hvis dette er tilgjengelig.

### EasyLink fungerer ikke

- Sjekk at HDMI-enhetene dine er kompatible med HDMI-CEC. EasyLink-funksjoner vil bare virke på enheter som er kompatible med HDMI-CEC.

### Det vises ikke noe volumikon

- Dette er normalt når det er koblet til en HDMI-CEC-lydenhet.

### Bilder, videoer og musikk fra en USB-enhet vises ikke

- Kontroller at USB-lagringsenheten er angitt som kompatibel for masselagringsklassen, som beskrevet i lagringsenhetens dokumentasjon.
- Sørg for at USB-lagringsenheten er kompatibel med TV-en.
- Kontroller at lyd- og bildefilformatene støttes av TV-en.

### Ujevn avspilling av USB-filer

- USB-lagringsenhetens overføringskvalitet kan begrense dataoverføringshastigheten til TV-en, noe som gir dårlig avspillingskvalitet.

---

## Wi-Fi, Internett og Bluetooth

### Wi-Fi-nettverk blir ikke funnet eller har forstyrrelser

- Mikrobølgeovner, DECT-telefoner eller andre Wi-Fi 802,11b/g/n/ac-enheter i nærheten kan forstyrre det trådløse nettverket.
- Sørg for at brannmurene i nettverket tillater tilgang til den trådløse TV-tilkoblingen.
- Hvis det trådløse nettverket ikke fungerer riktig hjemme hos deg, kan du prøve med trådbundet nettverksinstallasjon.

### Internett fungerer ikke

- Hvis tilkoblingen til ruterens er i orden, bør du kontrollere ruterens Internett-tilkobling.

### PC-en og Internett-tilkoblingen er trege

- Se i brukerhåndboken for den trådløse ruterens for å få informasjon om innendørs rekkevidde, overføringshastighet og andre faktorer for signalkvalitet.
- Du må ha en høyhastighetstilkobling til Internett (bredbånd) for denne ruterens.

### DHCP

- Hvis tilkoblingen mislykkes, kan du kontrollere DHCP-innstillingen (Dynamic Host Configuration Protocol) for ruterens. DHCP må slås på.

### Tappt Bluetooth-forbindelse

- Steder med mye trådløs aktivitet – for eksempel leiligheter med mange trådløse rutere – kan forstyrre den trådløse tilkoblingen.

---

## Nettverk

### Wi-Fi-nettverk blir ikke funnet eller har forstyrrelser

- Mikrobølgeovner, DECT-telefoner eller andre Wi-Fi 802,11b/g/n/ac-enheter i nærheten kan forstyrre det trådløse nettverket.
- Sørg for at brannmurene i nettverket tillater tilgang til den trådløse TV-tilkoblingen.
- Hvis det trådløse nettverket ikke fungerer riktig hjemme hos deg, kan du prøve med trådbundet nettverksinstallasjon.

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### DHCP

- Hvis tilkoblingen mislykkes, kan du kontrollere DHCP-innstillingen (Dynamic Host Configuration Protocol) for ruterens. DHCP må slås på.

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## Nettbasert hjelp

Du kan kontakte vår nettbaserte støtteside hvis du trenger hjelp til å løse problemer relatert til en TV fra Philips. Du kan velge språk og angi produktets modellnummer.

Gå til [www.philips.com/support](http://www.philips.com/support)

På støtteområdet finner du kontakttelefonnummeret for landet ditt samt svar på vanlige spørsmål (FAQ). I enkelte land kan du nettprate med en av våre samarbeidspartnere og stille spørsmål direkte til dem eller via e-post.

Du kan laste ned ny TV-programvare, eller håndboken for å lese den på datamaskinen.

## Støtte og reparasjon

Du kan få brukerstøtte og reparasjoner ved å ringe forbrukerstøtten der du bor. Serviceteknikerne utfører reparasjoner ved behov.

Du finner telefonnummeret i den trykte dokumentasjonen som fulgte med TV-en. Eventuelt kan gå til nettstedet vårt ( [www.philips.com/TVsupport](http://www.philips.com/TVsupport)) og velge riktig land etter behov.

### Modell- og serienummer på fjernsynet

Du kan bli spurt om å angi TV-ens modell- og serienummer. Du finner disse numrene på etiketten på emballasjen eller på typeetiketten på baksiden eller nederst på TV-en.

### Advarsel

Du må ikke prøve å reparere TV-en selv. Det kan føre til alvorlig personskade, uopprettelig skade på TV-en eller oppheve garantien din.

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# Sikkerhet og vedlikehold

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## Sikkerhet

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### Viktig

Les gjennom alle sikkerhetsinstruksjonene før du bruker TV-en, og sørg for at du forstår dem. Garantien er ugyldig hvis en skade skyldes at instruksjonene ikke er fulgt.

Ikke endre dette utstyret uten godkjenning fra produsenten.

---

### Fare for elektrisk støt eller brann

- Ikke utsett TV-en for regn og vann. Plasser aldri beholdere med væske, for eksempel blomstervaser, nær TV-en.
- Hvis du søler væske på TV-en, må du øyeblikkelig koble TV-en fra strømuttaket.
- Kontakt Philips' forbrukerstøtte for å kontrollere TV-en før bruk.
- Ikke utsett TV-en, fjernkontrollen eller batteriene for sterk varme. Ikke plasser dem nær stearinlys, åpne flammer eller andre varmekilder, inkludert direkte sollys.
- Plasser aldri gjenstander i ventilasjonsåpningene eller andre åpninger i TV-en.
- Plasser aldri tunge gjenstander oppå strømledningen.
- Unngå at det brukes kraft på støpslene. Løse støpsler kan føre til lysbuedannelse eller brann. Kontroller at strømledningen ikke utsettes for belastning når du dreier på TV-skjermen.
- Hvis du vil koble TV-en fra nettspenningen, må støpselet til TV-en være frakoblet. Når du kobler fra strømledningen, skal du alltid dra i støpselet, aldri i ledningen. Påse at du har full tilgang til støpselet, strømledningen og stikkkontakten hele tiden.

---

### Fare for personskade eller skade på TV-en

- Det kreves to personer for å løfte og bære en TV som veier mer enn 25 kilo.
  - Hvis du skal montere TV-en på et stativ, må du kun bruke stativet som følger med. Fest stativet godt til TV-en.
- Plasser TV-en på et flatt og jevnt underlag som tåler

vekten av TV-en og stativet.

- Ved veggmontering må du forsikre deg om at veggfestet tåler vekten til TV-en. TP Vision påtar seg ikke noe ansvar for feil veggmontering som fører til ulykker eller skader.
- Deler av dette produktet er laget av glass. Håndteres med forsiktighet for å unngå personskader eller andre skader.

#### Fare for skade på fjernsynet!

Før du kobler TV-en til strømuttaket, må du kontrollere at spenningen samsvarer med verdien som er angitt på baksiden av TV-en. Koble aldri TV-en til strømuttaket hvis spenningen ikke samsvarer.

---

### Fare for at barn skader seg

Følg disse forholdsreglene for å hindre at fjernsynet velter og forårsaker skade på barn:

- Sett aldri TV-en på et underlag som er dekket av en duk eller annet materiale som kan trekkes vekk.
- Kontroller at ingen deler av TV-en henger over kanten av underlaget.
- Sett aldri TV-en på høye møbler, slik som en bokhylle, uten å feste både møbelet og TV-en til veggen eller annen støtte.
- Fortell barna at de ikke må klatre på møbler for å nå TV-en.

#### Fare for svelging av batterier!

Fjernkontrollen kan inneholde myntformede batterier som små barn kan svelge. Oppbevar alltid disse batteriene utilgjengelig for barn.

---

### Fare for overoppheting

Ikke monter TV-en på et trangt sted. La det være minst 10 cm eller 4 tommer på alle sider av TV-en av ventilasjonsårsaker. Kontroller at gardiner eller annet ikke dekker ventilasjonsåpningene på TV-en.

---

### Tordenvær

Koble fjernsynet fra stikkkontakten og antennen ved tordenvær.

Rør aldri TV-en, strømledningen eller antenneledningen ved tordenvær.

---

## Fare for hørselsskade

Unngå bruk av hodetelefoner med høy lyd eller over lengre tid.

-2400-2483.5MHz: < 20 dBm (EIRP)

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

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

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

-5725-5825MHz: < 13.98 dBm (EIRP)

---

## Lave temperaturer

Hvis fjernsynet har vært transportert i temperaturer under 5 °C, må du pakke det ut og vente til det når romtemperatur, før det kobles til stikkontakten.

---

## Fuktighet

I sjeldne tilfeller, avhengig av temperatur og fuktighet, kan det oppstå noe kondens på innsiden av TV-ens frontglass (på enkelte modeller). Hvis du vil unngå dette, må du ikke utsette TV-en for direkte sollys, varme eller ekstrem fuktighet. Hvis det oppstår kondens, vil den forsvinne når TV-en har vært på i noen timer.

Kondensen skader ikke TV-en og forårsaker ikke feil.

---

14.2

## Vedlikehold av skjermen

- Du må aldri la gjenstander komme i kontakt med skjermen på noen måte.
- Koble fra TV-en før rengjøring.
- Rengjør og tørk forsiktig av TV-en og rammen med en myk, fuktig klut. Bruk aldri stoffer som alkohol, kjemikalier eller rengjøringsmidler på TV-en.
- Tørk av vanndråper så raskt som mulig, slik at det ikke oppstår misdannelser eller at fargene falmer.
- Unngå stillestående bilder hvis du kan. Stillestående bilder er bilder som vises på skjermen over lengre tid. Stillestående bilder kan for eksempel være skjermmenyer, svarte rammer, tidsangivelser osv. Hvis du må bruke stillestående bilder, bør du redusere skjermkontrasten og skarpheten for å unngå skade på skjermen.

---

14.3

## Radiation Exposure Statement

Dette utstyret er i samsvar med CE-grensene for strålingseksponering som er fastsatt for ukontrollerte miljøer. Dette utstyret skal monteres og brukes med en minimumsavstand på 20 cm mellom radiatoren og kroppen.

Frekvens, modus og maksimal overført kraft i EU er oppført nedenfor :

# Vilkår for bruk

## 15.1

### Vilkår for bruk – TV

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Garantivilkår, fare for personskade, skader på TV-en eller oppheving av garantien.

Du må aldri prøve å reparere TV-en selv. TV-en og tilbehøret må bare brukes slik produsenten har tiltenkt. Forsiktighetssymbolet bak på TV-en indikerer at det er fare for elektrisk støt. Du må aldri fjerne dekselet til TV-en. Ta alltid kontakt med Philips' kundestøtte for å få utført service eller reparasjoner. Du finner telefonnummeret i den trykte dokumentasjonen som fulgte med TV-en. Eventuelt kan du gå til nettstedet vårt ( [www.philips.com/support](http://www.philips.com/support) ) og velge riktig land etter behov. Handlinger som uttrykkelig er forbudt i denne håndboken, eller justeringer og monteringsprosedyrer som ikke anbefales eller godkjennes i denne håndboken, gjør garantien ugyldig.

#### Pikselegenskaper

Dette LCD/LED-produktet har et høyt antall fargepikslar. Selv om det har et effektivt antall pikslar på 99,999 % eller mer, kan det hende at svarte prikker eller lyssterke prikker (røde, grønne eller blå) vises konstant på skjermen. Dette er en del av de strukturelle egenskapene til skjermen (innenfor vanlige bransjestandarder), og det er ikke en funksjonsfeil.

#### CE-samsvar

TP Vision Europe B.V. erklærer med dette at denne TV-en overholder viktige krav og andre relevante bestemmelser i direktivene 2014/53/EU (RED), 2009/125/EF (økodesign) og 2011/65/EF (RoHS).

Samsvar med regler for elektromagnetiske felter TP Vision produserer og selger mange produkter rettet mot forbrukere, som i likhet med andre elektroniske apparater kan sende ut og motta elektromagnetiske signaler. Et av TP Visions ledende forretningsprinsipper er å implementere alle nødvendige helse- og sikkerhetstiltak for produktene, overholde alle gjeldende lovfestede krav og holde seg godt innenfor de standardene for elektromagnetiske felter som gjelder på det tidspunktet produktene blir produsert.

TP Vision legger stor vekt på å utvikle, produsere og selge produkter som ikke har noen helseskadelige virkninger. TP Vision bekrefter at hvis produktene behandles riktig i henhold til tiltenkt bruk, så er de trygge å bruke i henhold til dagens vitenskapelige informasjon. TP Vision spiller en aktiv rolle i utviklingen av internasjonale standarder for sikkerhet og elektromagnetiske felter, noe som setter TP Vision i stand til å forutse den videre utviklingen innen standardisering, slik at de kan integreres tidlig i produktene.

# Opphavsrett

## MHL

### MHL

MHL, Mobile High-Definition Link og MHL-logoen er varemerker eller registrerte varemerker som tilhører MHL, LLC.



## HDMI

### HDMI

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### DTS Premium Sound™

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### Kensington

(Hvis aktuelt)

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# Ansvarsfraskrivelse angående tjenester eller programvare som tilbys av tredjeparter

Tjenester eller programvare som tilbys av tredjeparter, kan bli endret, opphevet eller avsluttet uten varsel. TP Vision påtar seg ikke noe ansvar i slike situasjoner.



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