65BDL3052T V1.01



www.philips.com/welcome User Manual (English)

PHILIPS SignageSolutions

Safety Instructions

Warnings and Precautions

KNOW THESE SAFETY SYMBOLS



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- **CAUTION:** FCC/CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.
- **CAUTION:** To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

The Socket-outlet should be installed near the apparatus and be easily accessible.



Read and follow these instructions when connecting and using your Public Information Display:

- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display if you need to clean it with a slightly damp cloth. The screen many be wiped with a dry cloth when the power is off. However, never use alcohol, solvents or ammonia-based liquids.
- Consult a service technician if the display does not operate normally when you have followed the instructions in this manual.
- The casing cover should be opened only by qualified service personnel.
- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Remove any object that could fall into the vents or prevent proper cooling of the display's electronics.
- Do not block the ventilation holes on the cabinet.
- Keep the display dry. To avoid electric shock, do not expose it to rain or excessive moisture.
- If turning off the display by detaching the power cable, wait for 6 seconds before re-attaching the power cable for normal operation.
- To avoid the risk of shock or permanent damage to the set do not expose the display to rain or excessive moisture.
- When positioning the display, make sure the power plug and outlet are easily accessible.
- IMPORTANT: Always activate a screen saver program during your application. If a still image in high contrast remains on the screen for an extended period of time, it may leave an 'after-image' or 'ghost image' on the front of the screen. This is a well-known phenomenon that is caused by the shortcomings inherent in LCD technology. In most cases the afterimage will disappear gradually over a period of time after the power has been switched off. Be aware that the after-image symptom cannot be repaired and is not covered under warranty.

Important Safety Instructions

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as powersupply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15. The batteries (batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- 16. An all-pole MAINS SWITCH is used as the disconnect device, the location on the apparatus and the function of the switch shall be described, and the switch shall remain readily operable
- WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.
- **WARNING:** Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- **WARNING**: The batteries (batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- **WARNING**: The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- WARNING: To prevent the spread of fire, keep candles or other open flames away from this product at all times.



- **WARNING**: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- **WARNING**: The Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.

WARNING

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

- **CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualitified to do so.
- **CAUTION:** Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphone and headphone output voltage and the sound pressure level. Therefore, to protect your hearing, adjust the equalizer to an appropriate level.

For UL/CUL application: For use only with UL Listed Wall Mount Bracket with minimum weight/load: 40.58 Kg

For CB application: Unit without base weight: 40.58 Kg. The equipment and its associated mounting means still remain secure during the test. (Used wall mounting kit: 400x400 mm distance by using M6 screws of 10 mm long plus the thickness of the mounting bracket.

IMPORTANT INFORMATION

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture(for example, cupboards or bookcases)without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

EU Declaration of Conformity

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU) and RoHS directive (2011/65/EU).

This product has been tested and found to comply with the harmonized standards for Information Technology Equipment, these harmonized standards published under Directives of Official Journal of the European Union.

Warning:

This equipment is compliant with Class A of EN55032/CISPR 32. In a residential environment this equipment may cause radio interference.

ESD Warnings

When user close to the monitor may cause the equipment discharge and reboot to the display of main menu.

Information for EAC	ERIC
Month and year of manufacturing	please refer information in Rating label.
Name and location of manufacturer	ООО "Профтехника" Адрес: 3-й Проезд Марьиной рощи, 40/1 офис 1. Москва, 127018, Россия
Importer and information	Наименование организации: ООО "Профтехника" Адрес: 3-й Проезд Марьиной рощи, 40/1 офис 1. Москва, 127018, Россия Контактное лицо: Наталья Астафьева, +7 495 640 20 20 nat@profdisplays.ru

Federal Communications Commission (FCC) Notice (U.S. Only)



Note:This equipment has been tested and found to comply with the limits for a Class A digital

device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable

protection against harmful interference when the equipment is operated in a commercial

environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only an RF shielded cable that was supplied with the display when connecting this display to a computer device.

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Polish Center for Testing and Certification Notice

The equipment should draw power from a socket with an attached protection circuit (a three-prong socket). All equipment that works together (computer, display, printer, and so on) should have the same power supply source.

The phasing conductor of the room's electrical installation should have a reserve short-circuit protection device in the form of a fuse with a nominal value no larger than 16 amperes (A).

To completely switch off the equipment, the power supply cable must be removed from the power supply socket, which should be located near the equipment and easily accessible.

A protection mark "B" confirms that the equipment is in compliance with the protection usage requirements of standards PN-93/T-42107 and PN-89/E-06251.

Wymagania Polskiego Centrum Badań i Certyfikacji

Urządzenie powinno być zasilane z gniazda z przyłączonym obwodem ochronnym (gniazdo z kołkiem). Współpracujące ze sobą urządzenia (komputer, monitor, drukarka) powinny być zasilane z tego samego źródła.

Instalacja elektryczna pomieszczenia powinna zawierać w przewodzie fazowym rezervową ochrone przed zwarciami, w postaci bezpiecznika o wartości znamionowej nie większej niż IGA (amperów). W celu całkowitego wyłączenia urządzenia z sieci zasilania, należy wyjąć wtyczkę kabla zasilającego z gmiazdka, które powinno znajdować się w pobliżu urządzenia i być łatwo dostępne. Znak bezpieczeństwa "B" potwierdza zgodność urządzenia z wymaganiami bezpieczeństwa użytkowania zawartymi w PN-93/T-42107 i PN-89/E-06251.

Pozostałe instrukcje bezpieczeństwa

- Nie należy używać wtyczek adapterowych lub usuwać kołka obwodu ochronnego z wtyczki. Jeżeli konieczne jest użycie przedłużacza to należy użyć przedłużacza 3-żyłowego z prawidłowo połączonym przewodem ochronnym.
- System komputerowy należy zabezpieczyć przed nagłymi, chwilowymi wzrostami lub spadkami napśęcia, używając eliminatora przepięć, urządzenia dopasowującego lub bezzakłoceniowego źródła zasilania.
- Należy upewnić się, aby nic nie leżało na kabłach systemu komputerowego, oraz aby kable nie były umieszczone w miejscu, gdzie można byłoby na nie nadeptywać lub potykać się o nie.
- Nie należy rozlewać napojów ani innych płynów na system komputerowy.
- Nie należy wpychać żadnych przedmiotów do otworów systemu komputerowego, gdyż może to spowodować pożar lub porażenie prądem, poprzez zwarcie elementów wewnętrznych.
- System komputerowy powinien znajdować się z dala od grzejników i źródel ciepła. Ponadto, nie należy błokować otworów wentyłacyjnych. Należy unikać kładzenia lużnych papierów pod komputer oraz umieszczania komputera w ciasnym miejscu bez możliwości cyrkulacji powietrza wokół niego.

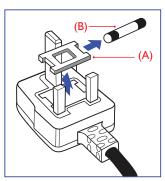
Electric, Magnetic and Electronmagnetic Fields ("EMF")

- 1. We manufacture and sell many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.
- 2. One of our leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.
- 3. We are committed to develop, produce and market products that cause no adverse health effects.
- 4. We confirm that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.
- 5. We play an active role in the development of international EMF and safety standards, enabling us to anticipate further developments in standardization for early integration in its products.

Information for U.K. only

WARNING - THIS APPLIANCE MUST BE EARTHED.

Important:



This apparatus is supplied with an approved moulded 13A plug. To change a fuse in this type of plug proceed as follows:

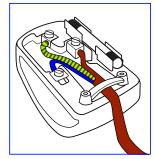
- 1. Remove fuse cover and fuse.
- 2. Fit new fuse which should be a BS 1362 5A,A.S.T.A. or BSI approved type.
- 3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate 3-pin plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

NOTE: The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

How to connect a plug



The wires in the mains lead are coloured in accordance with the following code:

BLUE – "NEUTRAL" ("**N**") BROWN – "LIVE" ("**L**") GREEN & YELLOW – "EARTH" ("**E**")

- The GREEN & YELLOW wire must be connected to the terminal in the plug which is marked with the letter "E" or by the Earth symbol or coloured GREEN or GREEN & YELLOW.
- 2. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
- 3. The BROWN wire must be connected to the terminal which marked with the letter "L" or coloured RED.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead – not simply over the three wires.

China RoHS

根据中国大陆《电子电气产品有害物质限制使用标识要求》,以下部分 列出了本产品中可能包含的有害物质的名称和含量。

				7	有害物质		
零部位	牛名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴 联苯 (PBB)	多溴二 苯醚 (PBDE)
塑料	外框	0	0	0	0	0	0
后壳		0	0	0	0	0	0
LCD	CCFL	Х	Х	0	0	0	0
panel	LED	Х	0	0	0	0	0
电路板	组件*	Х	0	0	0	0	0
底座		0	0	0	0	0	0
电源线		Х	0	0	0	0	0
其他线	材	×	0	0	0	0	0
遥控器		×	0	0	0	0	0
*• 由路	8板组件6	加括印刷	副由路相	反及其	构成的零音	歌件. 如	电阻、

*: 电路板组件包括印刷电路板及其构成的零部件,如电阻、 电容、集成电路、连接器等。

本表格依据SJ/T 11364的规定编制。

- O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 标准规定的限量要求以下.
- X: 表示该有害物质至少在该部件的某一均质材料中的含量超 出 GB/T 26572 标准规定的限量要求.

上表中打"X"的部件中,应功能需要,部分有害物质含量超出GB/T 26572规定的限量要求,但是符合欧盟RoHS法规要求(属于豁免部分)。

备注: 上表仅做为范例,实际标示时应依照各产品的实际部件及所 含有害物质进行标示。



在产品本体上标示的该标志表示环境保护使用期限为10年。

电子信息产品的环境保护使用期限是指电子信息产品中所含的有害物质不会向外部泄漏或出现突然变异,并且电子信息产品的用户在 使用该电子信息产品时也不会对环境造成严重污染或对人体、财产 带来严重损害的期限。

在环境保护期限中,请按照使用说明书使用本产品。

本环境保护使用不覆盖易损件: 电池。

《废弃电子产品回收处理管理条例》提示性说明

为了更好地关爱及保护地球,当用户不再需要此产品或产品寿命终 止时,请遵守国家废弃电器电子产品回收处理相关法律规定,将其 交给当地具有国家认可的回收处理资质的厂商进行回收处理。

警告

此为 A 级产品。在生活环境中,该产品可能会造成无线电干扰。 在这种情况下,可能需要用户对干扰采取切实可行的措施。

仅适用于非热带气候条件下安全使用:

汉	文	仅适用于非热带气候条件下安全使用。
蒙古	与文	«গদ্যালুচ/ ভর্মান/ ৪ ভ্রমণ সন্দুচন স্বাদ্যানত ব/ ভ্রারন্তন্থ পত্তম _ে স্ফলেওং গ্রন্থনৈও হণ্ড মি প্রায়েন/, \cdots
藏	文	"ૐવલેચાલુયાંગ્રેયાવવાયાવીયાંગ્રેવ પલેચાલુયાંથવત્તાં છેવાંગ્રેન્ ચેન્ ગ્રેન્ ગ્રેન્ ગ્રેન્ ગ્રેન્ ગ્રેન્ ગ્રેન્ ચાલશુથા"
维	文	غەيرى ئىسسىق بەلباغ ھاۋا كىلىماتى شارائىتىدىلا بىخەتەر ئىشلەتكىلى بولىدۇ
壮	文	Dan hab yungh youq gij dienheiq diuzgen mbouj dwg diegndat haenx ancienz sawjyungh.

2000m

Q适用于海拔 2000m 以下地区安全使用:

汉 文	仅适用于海拔 2000m 以下地区安全使用。
蒙古文	(2000m m) 1.21 appendix 1.585 p.21 and first 2 appendix 2 and
藏 文	" ક્યુઝાઢેવે દેશ બથાય શે સંત્ ક્યું 2000 થવે છું થાણવાવા વ રાવેવા ચેત્ ચેત્ છે વ છે. જે છે
维 文	دېڭىز يۈزىدىن 2000 مېتر تۆۋەن رايونلاردىلا بىخەتەر ئىشلەتكىلى بولىدۇ
壮 文	Hai dou gaxgonq, wngdang sien duenh denvasen bae.
汉文	"注意 如果电池更换不当会有爆炸危险 只能用同样类型或等效类型的电池来更换"
蒙古文	אוויזיאר הדיין שר די הדינאי שראי ישיאטי אייטעיט אייטעיט אייטעיט. אריייעין ואטעי די אייטעי אייטעיט אייטעיט אייטעיט אייטעי
藏 文	" ૡૡૹ૾૽ઽૢૼૹૻૣૣૣઌૢૻૹૣૡ૱ૣૺૺૼઽૺૹૡૻૡૹ૱ૢ૱ૹૡૡ૱ૡૡ૱૱ૡૡૺ ઽૺૡૡૹ૱ૡૢૢૢૢૢૢૢૢૡૹૡૢૢૢૢૢૢૢૡૹઌૢૢૢૢૢૢૢૢૢૡૹૺઌૣૻૡ૱ૡ૱ૹૢૢૢૢૢૢૢૢૢૢૢૢૢૢૢૢૢૢૢૡૻઌૼૡૻઽૣૡૻૻ૾ૻ૱ૻૺ
维文	دىققەت باتارىيىنى ئالماشتۇرۇش مۇۋاپىق بولمىسا پارتلاش خەۋپى بار ئوخشاش تىپلىق ياكى تەڭ ئۈنۈملۈك باتارىيىنى ئالماشتۇرۇڭ
壮文	"Louzsim Danghnaeuz denyouz vuenh ndaej mbouj habdangq aiq miz gij yungyiemj fatseng bauqcaq Cijndaej yungh gij denyouz doengzyiengh loihhingz roxnaeuz daengjyauq loihl haenx vuenh"

	daengjyauq ioini naenx vuenn
汉文	"接入本设备的有线网络天线必须与保护接地隔离,不然可能会引起着火等危险!"
蒙古文	একাপ প্রচারিচাঁহে ভট নেন্যালট ফ্রেনিড্টে গ্রহাইজন্ট ট ন্যাসম ফ্রেনিট ন্টে নহাচিনিং হ্যান্ডন্দ ফ্রেনিট নক্র/ প্রান্যান্দ্রনালট নির্মান্ডন • প্রদায়ে ফ্রেনি র্চ্চাই হ্যান্দ্র হ্যান্দ্রনা রূমেন্ট নের্মা, র্মে/ মন্ত্রনার কিন্তু নির্দাদের নির্দান্ডন দেশের ফ্রেনিট কিন্তু হিন্দ্র হার্যান্দ্র হার্যান্দ্র হেন্দ্র হার্যান্দ্রন
藏文	" भ्रिमाळ सप्दरिवे श्चन् य्यन्त्र यहित् महाव अश्चन्त्र न्य छ स्व का अहन् छेन् झ्ववस्य में यस्य न्य स्व व्या स्व केव प्यांमा सञ्चन्द्र स्व स्व स्व स्व म्या न्य स्व

维	文	بۇ ئۇسكىنىگە ئۇلايدىغان سىملىق تور ئانتېننېسىنى يەرگە ئۇلاپ بىخەتەرلەشتۈرۈش بىلەن ئايرىۋېتىڭ، بولمىسا ئوت كېتىشتەك خەۋپلەر كېلىپ چىقىدۇ
壮	文	"Gij mizsienq vangjloz denhsen ciephaeuj bonj sezbi daeuj haenx itdingh aeu caeuq gij ciepdieg baujhoh doxliz, mboujne aiq miz gij yungyiemj dawzfeiz daengj!"

North Europe (Nordic Countries) Information

Placering/Ventilation

VARNING:

FÖRSÄKRA DIG OM ATT HUVUDBRYTARE OCH UTTAG ÄR LÄTÅTKOMLIGA, NÄR DU STÄLLER DIN UTRUSTNING PÅPLATS.

Placering/Ventilation

ADVARSEL:

SØRG VED PLACERINGEN FOR, AT NETLEDNINGENS STIK OG STIKKONTAKT ER NEMT TILGÆNGELIGE.

Paikka/Ilmankierto

VAROITUS:

SIJOITA LAITE SITEN, ETTÄ VERKKOJOHTO VOIDAAN TARVITTAESSA HELPOSTI IRROTTAA PISTORASIASTA.

Plassering/Ventilasjon

ADVARSEL:

NÅR DETTE UTSTYRET PLASSERES, MÅ DU PASSE PÅ AT KONTAKTENE FOR STØMTILFØRSEL ER LETTE Å NÅ.

End-of-Life Disposal

Your new Public Information Display contains materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and to minimize the amount to be disposed of.

Please find out about the local regulations on how to dispose of your old display from your local philips dealer.

(For customers in Canada and U.S.A.)

This product may contain lead and/or mercury. Dispose of in accordance to local-state and federal regulations. For additional information on recycling contact www.eia.org (Consumer Education Initiative)

Waste Electrical and Electronie Equipment-WEEE

Attention users in European Union private households



This marking on the product or on its packaging illustrates that, under European Directive 2012/19/ EU governing used electrical and electronic appliances, this product may not be disposed of with normal household waste. You are responsible for disposal of this equipment through a designated waste electrical and electronic equipment collection. To determine the locations for dropping off such waste electrical and electronic, contact your local government office, the waste disposal organization that serves your household or the store at which you purchased the product.

End of Life Directives-Recycling



Your new Public Information Display contains several materials that can be recycled for new users.

Please dispose of according to all Local, State, and Federal laws.



As an ENERGY STAR Partner, we have determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Restriction on Hazardous Substances statement (India)

This product complies with the "E-Waste (Management) Rules, 2016" CHAPTERV, rule 16, sub-rule (1) . Whereas New Electrical and Electronic Equipment and their components or consumables or parts or spares do not contain Lead, Mercury, Cadmium, Hexavalent Chromium, polybrominated biphenyls and polybrominated diphenyl ethers beyond a maximum concentration value of 0.1% by weight in homogenous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers and of 0.01% by weight in homogenous materials for cadmium. except of exemptions set in Schedule 2 of the Rule.

E-Waste Declaration for India



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment .The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about E -waste please visit http://www.india.philips. com/about/sustainability/recycling/index.page and to know where you can drop off your waste equipment for recycling in India please contact on below given contact details.

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Helpline number: 1800-425-6396 (Monday to Saturday, 9 a.m. to 5:30 pm)

Centralized E-waste collection center Address:TPV Technology India Private Limited, 59, Maheswari Nagar, 1st Main Road, Mahadevapura Post, Whitefield Road

Bangalore, Karnataka, PIN: 560048, Tel: 080-3023-1000 E-mail: india.callcentre@tpv-tech.com

Batteries



For EU:The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation.

Please contact your local authority for details on the collection and recycling schemes.

For Switzerland: The used battery is to be returned to the selling point.

For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.

According to EU directive 2006/66/EC, the battery can't be disposed improperly. The battery shall be separated to collect by local service.



Após o uso, as pilhas e/ou baterias deverão ser entregues ao estabelecimento comercial ou rede de assistência técnica autorizada.

Turkey RoHS:

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

Ukraine RoHS:

Обладнання відповідає вимогам Технічного регламенту щодо обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні, затвердженого постановою Кабінету Міністрів України від 3 грудня 2008 № 1057

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1. Unpacking and Installation

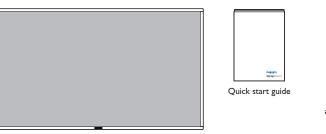
1.1. Unpacking

- This product is packed in a carton, together with the standard accessories.
- Any other optional accessories will be packed separately.
- Due to the size and weight of this display it is recommended for two people to move it.
- After opening the carton, ensure that the contents are complete and in good condition.

1.2. Package Contents

Please verify that you received the following items with your package content:

- LCD display
- Quick start guide
- Remote control with AAA batteries
- Power cord
- RS232 cable
- RS232 daisy chain cable
- IR sensor cable
- HDMI cable
- USB cover and screw x1



Remote Control

and AAA Batteries

* The supplied power cord varies depending on destination.



* Differences according to regions

Display design and accessories may differ from those illustrated above.

NOTES:

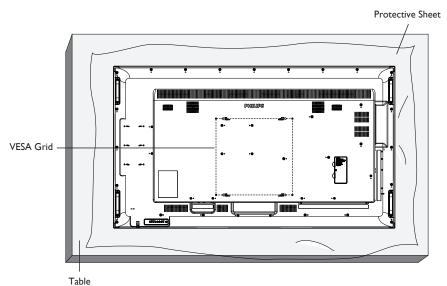
- For all other regions, apply a power cord that conforms to the AC voltage of the power socket and has been approved by and complies with the safety regulations of the particular country (Type H05W-F, 2G or 3G, 0.75 or 1 mm² should be used).
- You might like to save the package box and packing material for shipping the display.

1.3. Installation Notes

- Due to the high power consumption, always use the plug exclusively designed for this product. If an extended line is required, please consult your service agent.
- The product should be installed on a flat surface to avoid tipping. The distance between the back of the product and the wall should be maintained for proper ventilation. Avoid installing the product in the kitchen, bathroom or any other places with high humidity so as not to shorten the service life of the electronic components.
- The product can normally operate only under 3000m in altitude. In installations at altitudes above 3000m, some abnormalities may be experienced.

1.4. Mounting on a Wall

To mount this display to a wall, you will have to obtain a standard wall-mounting kit (commercially available). We recommend using a mounting interface that complies with TUV-GS and/or UL1678 standard in North America.



- 1. Lay a protective sheet on a table, which was wrapped around the display when it was packaged, beneath the screen surface so as not to scratch the screen face.
- 2. Ensure you have all accessories for mounting this display (wall mount, ceiling mount, table stand, etc).
- 3. Follow the instructions that come with the base mounting kit. Failure to follow correct mounting procedures could result in damage to the equipment or injury to the user or installer. Product warranty does not cover damage caused by improper installation.
- 4. For the wall-mounting kit, use M6 mounting screws (having a length 10 mm longer than the thickness of the mounting bracket) and tighten them securely.
- 5. Unit without base weight= 40.58 kg. The equipment and its associated mounting means still remain secure during the test. For use only with UL Listed Wall Mount Bracket with minimum weight/load: 40.58 kg.
- 6. Portrait is not allowed.

1.4.1. VESA Grid

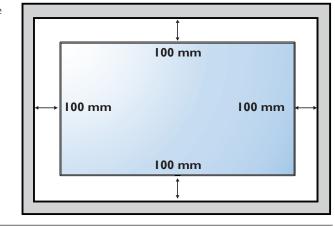
Caution:

To prevent the display from falling:

- For wall or ceiling installation, we recommend installing the display with metal brackets which are commercially available. For detailed installation instructions, refer to the guide received with the respective bracket.
- To lessen the probability of injury and damage resulting from fall of the display in case of earthquake or other natural disaster, be sure to consult the bracket manufacturer for installation location.

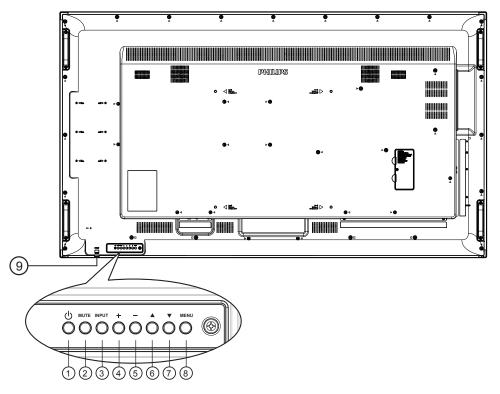
Ventilation Requirements for enclosure locating

To allow heat to disperse, leave space between surrounding objects as shown in the diagram below.



2. Parts and Functions

2.1. Control Panel



① [()] button

Use this button to turn the display on or put the display to standby.

2 [MUTE] button

Switch the audio mute ON/OFF.

③ [INPUT] button

Choose the input source.

④ [+] button

- Increase the volume
- Enter into submenu while OSD menu is on

⑤ [—] button

- Decrease the volume
- Back to previous menu while OSD menu is on

⑥ [▲] button

- Move the highlight bar up to adjust the selected item while OSD menu is on
- Increase the adjustment while adjust value.

⑦ [▼] button

- Move the highlight bar down to adjust the selected item while OSD menu is on.
- Decrease the adjustment while adjust value.

(8) [MENU] button

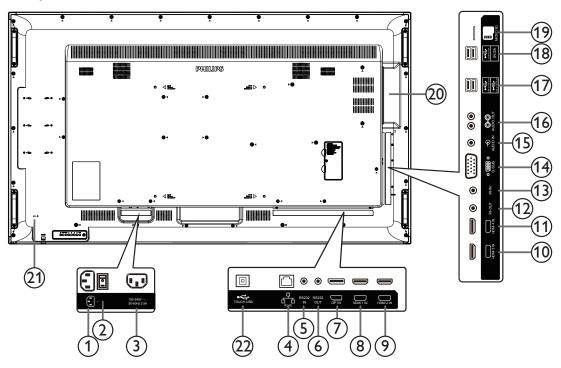
Return to previous menu while OSD menu is on, or to activate the OSD menu when OSD menu is off.

(9) Remote control sensor and power status indicator

- Receives command signals from the remote control.
- Indicates the operating status of the display without OPS:
 - Lights green when the display is turned on
 - Lights red when the display is in standby mode
 - When {SCHEDULE} is enabled, the light blinks green and red
 - If the light blinks red, it indicates that a failure has been detected
 - Lights off when the main power of the display is turned off

* Using IR sensor cable for better remote control performance. (Please refer to the instructions of 3.5)

2.2. Input/Output Terminals



\bigcirc **AC IN**

AC power input from the wall outlet.

2 MAIN POWER SWITCH

Switch the main power on/off.

3 AC OUT

AC power supply to the AC IN jack of a media player.

(4) **RJ-45**

LAN control function for the use of remote control signal from control center:

(5) RS232C IN / (6) RS232C OUT

RS232C network input / output for the loop-through function.

7 DisplayPort IN

DisplayPort video input.

8 HDMI1 IN / 9 HDMI2 IN / 10 HDMI3 IN / 11 HDMI4 IN

HDMI video/audio input.

12 IR OUT / 13 IR IN

IR signal input / output for the loop-through function. NOTES:

- This display's remote control sensor will stop working if the jack [IR IN] is connected.
- To remotely control your A/V device via this display, refer to page 14 for or IR Pass Through connection.

(14) VGA IN (D-Sub)

VGA video input.

(15) AUDIO IN

Audio input for VGA source (3.5mm stereo phone).

16 AUDIO OUT

Audio output to external AV device.

- (7) USB 2.0 PORT/ USB 3.0 PORT Connect your USB storage device
- **(18) USB PORT A**



- (1) MICRO SD CARD Connect your MICRO SD CARD.
- OPS SLOT Slot for installing the optional OPS module.
- (2) SECURITY LOCK Used for security and theft prevention.
- 22 USB-B

Touch connector to PC.

2.2.1. Inserting the batteries in the remote control

The remote control is powered by two 1.5V AAA batteries.

To install or replace batteries:

- 1. Press and then slide the cover to open it.
- 2. Align the batteries according to the (+) and (-) indications inside the battery compartment.
- 3. Replace the cover.

Caution:

The incorrect use of batteries can result in leaks or bursting. Be sure to follow these instructions:

- Place "AAA" batteries matching the (+) and (-) signs on each battery to the (+) and (-) signs of the battery compartment.
- Do not mix battery types.
- Do not combine new batteries with used ones. It causes shorter life or leakage of batteries.
- Remove the dead batteries immediately to prevent them from liquid leaking in the battery compartment. Don't touch exposed battery acid, as it can damage your skin.

NOTE: If you do not intend to use the remote control for a long period, remove the batteries.

2.2.2. Handling the remote control

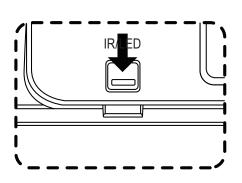
- Do not subject to strong shock.
- Do not allow water or other liquid to splash the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid exposure to heat and steam.
- Other than to install the batteries, do not open the remote control.

2.2.3. Operating range of the remote control

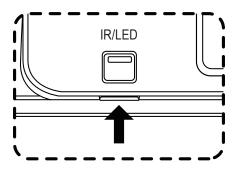
Point the top of the remote control toward the display's remote control sensor when pressing a button.

NOTE:

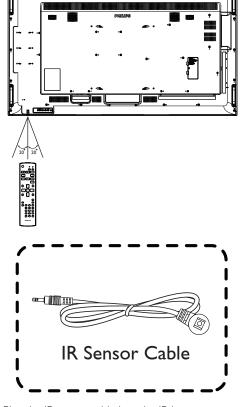
- The remote control may not function properly when the remote control sensor on the display is under direct sunlight or strong illumination, or when there is an obstacle in the path of signal transmission.
- Using IR sensoer cable for better remote control performance. (Please refer to the instructions of 3.5)
- Use the remote control within a distance of less than 2m/6.56ft (pull the lens down and use the remote control from the back), 1m/3.28ft for a horizontal and vertical angles of less than 20 degrees.



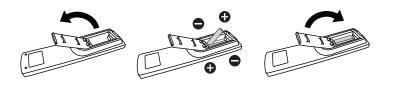
Pull the lens down when use the remote from back side.



Point the top of the remote control toward the lens when pressing a button.

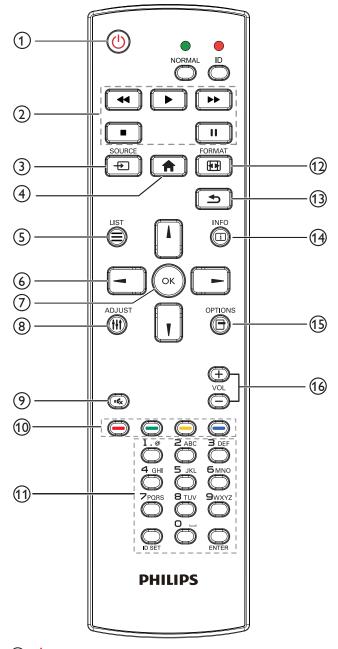


Plug the IR sensor cable into the IR in connector for better remote control performance from front side. (Please refer to the instructions of 3.5)



2.3. Remote Control

2.3.1. General functions



(1) [U] POWER button

Power ON/OFF.

2 [PLAY] buttons

Control playback of media files.(for Media Input only)
Freeze feature

Pause: Freeze hot key for all inputs content.

Play: Unfreeze hot key for all input content.

③ [-----] SOURCE button

Root Menu: Go to Video source OSD.

(4) [**†**] HOME button

Root Menu: Go to Main Menu OSD. Others: Exit OSD.

5 [] LIST button

No function.

6 NAVIGATION buttons

[]

Root Menu: Go to Smart picture OSD.

Main Menu: Move the highlight bar up to adjust the selected item. IR Daisy Chain Menu: Increase controlled Group ID number.

[]]

Root Menu: Go to Audio source OSD.

Main Menu: Move the highlight bar down to adjust the selected item.

IR Daisy Chain Menu: Decrease controlled Group ID number.

[◄]

Main Menu: go to previous level menu. Source Menu: Exit source menu. Volume Menu: Decrease Audio Volume.

[►]

Main Menu: go to next level menu or set selected option. Source Menu: Go to selected source. Volume Menu: Increase Audio Volume.

⑦ [OK] button

Root Menu: Go to IR daisy chain OSD in Primary/Secondary mode. Main Menu: Confirm an entry or selection.

⑧ []] ADJUST button

Go to Auto Adjust OSD for VGA only.

[IK] MUTE button

Toggle Audio Mute/Unmute.

(10) [------] [------] COLOR buttons

Choose tasks or options.(for Media Input only) [-----] Hot key for Window selection function.

(1) [Number/ ID SET/ ENTER] button

Enter text for network setting.

Press to set the display ID. Refer to **2.3.2. ID Remote Control** for more detail.

12 [H] FORMAT button

Change Image Zoom Mode [Full][4:3][Real][21:9][Custom].

(13 [**5**] BACK button

Return to the previous menu page or exit from the previous function.

(14 [i] INFO button

Show Information OSD

(15) [-] OPTIONS button

No function.

16 [—] [+] VOLUME button

Adjust volume.

2.3.2. ID Remote Control

You can set the remote control ID when you want to use this remote control on one of several different displays.



Press [ID] button. The red LED blinks twice.

 Press [ID SET] button for more than 1 second to enter the ID Mode.The red LED lights up. Press the [ID SET] button again will exit the ID Mode.The red LED lights off.

Press the digit numbers $[0] \sim [9]$ to select the display you want to control.

For example: press **[0]** and **[1]** for display No.1, press **[1]** and **[1]** for display No.11.

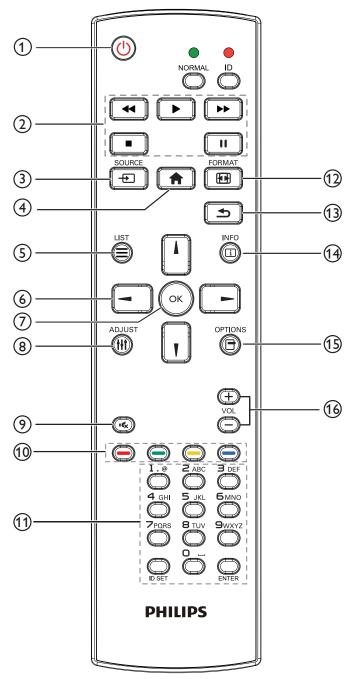
The numbers available are from $[01] \sim [255]$.

- 2. Not pressing any button within 10 seconds will exit the ID Mode.
- 3. If an error pressing of buttons other than the digits occured, wait 1 second after the red LED lights off and then lights up again, then press the correct digits again.
- 4. Press [ENTER] button to confirm. The red LED blinks twice and then lights off.

NOTE:

- Press [NORMAL] button. The green LED blinks twice, indicating the display is in normal operation.
- It is necessary to set up the ID number for each display before selecting its ID number.

2.3.3. Remote Control buttons on Android source



① [···] POWER button

Turn the display on or put the display to standby. The button is only controlled by Scalar.

2 [PLAY] buttons

1. Control playback of media(video/audio/picture) files.

There are 4 ways to play media files.

1) File Manager

Find the media file from the File Manager and select it to play.

2) Media Player -> Compose -> edit or new add playlist ->

choose any media files -> press **()** to play the media file directly.

3)Media Player -> Play -> choose non-empty play list -> press

4) Set media playlist in Boot on Source or Schedule by OSD menu.

2. Play PDF file

There are 3 ways to play media files.

1) File Manager

Find the pdf file from the File Manager and select it to play.

2) PDF Player -> Play -> choose non-empty play list -> press of play all the PDF files in the play list.

3) Set pdf playlist in Boot on Source or Schedule by OSD menu.

3. When playing PDF, video or music, press **1** to stop playing.

Then if pressing **s** again, playing will be started from the beginning of the file.

4. When playing PDF, video or music, press button to pause playing.

5. All media or pdf files should be put at the folder, which is named "philips" with sub-folder, under the root directory of the specified storage (internal/USB/SD Card). All sub-folders (video/photo/music/pdf) are named by media types and shouldn't be changed.

videos: {root dir of storage}/philips/video/

photos: {root dir of storage}/philips/photo/

music : {root dir of storage}/philips/music/

pdfs : {root dir of storage}/philips/pdf/

Note that the root directories of three storages are

Internal storage: /sdcard

USB storage: /mnt/usb_storage

SD card :/mnt/external_sd

③ [-----] SOURCE button

Choose input source.

The button is only controlled by Scalar.

④ [**†**] HOME button

Access OSD menu.

The button is only controlled by Scalar.

5 [] LIST button

1. In the content of the web page, move the focus up to the next clickable items.

2. Move the focus up to the next control or widget such as buttons.

6 NAVIGATION buttons

- 1. Navigate through menus and choose items.
- 2. In the content of the web page, these buttons are to control the

scroll bar of the screen. Press 🕕 or 🔟 is for moving vertical scroll

bar up or down. Press 📻 or 💽 is for moving horizontal

scroll bar left or right.

3. For PDF files,

» when zoom in/out has been performed,

Press \Box , \Box , \Box or \Box to adjust the position of the screen.

» when zoom in/out has been not performed,

Press by to go to the next page.

Press 🔄 to go to the previous page.

⑦ [OK] button

Confirm an entry or selection.

⑧ [**|||]** ADJUST button

1. In the content of the web page, move the focus down to the next clickable items.

2. Move the focus down to the next control or widget such as buttons.

[IK] MUTE button

Press to turn the mute function on/off.

The button is only controlled by Scalar.

(10) [-----] [-----] COLOR buttons

1. Of the function on Android source. These two buttons are only controlled by Scalar.

2. For PDF files,

press 🔘 button to perform zoom-in;

press 🜔 button to perform zoom-out.

After zoom-in or zoom-out, press button to revert the pdf file to the original size.

(1) [Number/ ID SET/ ENTER] button

1. No functions for ID SET 💭 and ENTER 🔘 on Android

source. These buttons are only controlled by Scalar.

2. For PDF file, enter the page number by pressing number buttons

and then press \bigcirc button to jump to the specific page.

12 [H] FORMAT button

Change picture format. The button is only controlled by Scalar.

(13 [**__**] BACK button

Return to the previous page or exit from the previous function.

(14 [i] INFO button

1. Display information about current input signal. It is shown by Scalar,

2. Media Player -> Compose -> edit or new add playlist -> choose

any media files -> press 👸 to show the information of the

chosen media file.

(15) [-] OPTIONS button

Open toolbox in Media Player or PDF Player.

1. Media Player ->Compose -> Edit or new add playlist -> press

to open toolbox. Toolbox will be slide from the left side of the screen.

2. PDF Player -> Compose -> Edit or new add playlist -> press

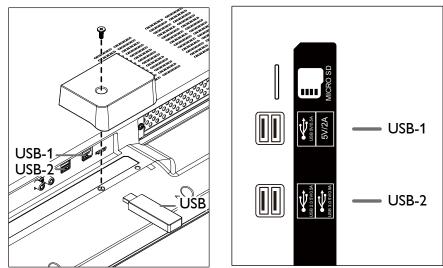
to open toolbox. Toolbox will be slide from the left side of the screen.

16 [—] [+] VOLUME button

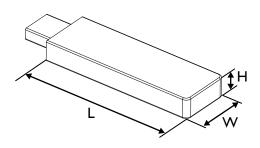
Adjust volume. The buttons are only controlled by Scalar.

2.4. USB Cover

• Use the USB cover and screws to hide the USB stick and Micro SD card.



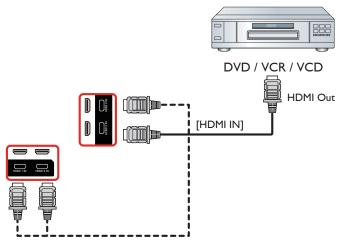
 Maximum suitable USB sticker size: USB-1: 20(W)x8(H)x60(L) mm USB-2: 20(W)x8(H)x30(L) mm



3. Connecting External Equipment

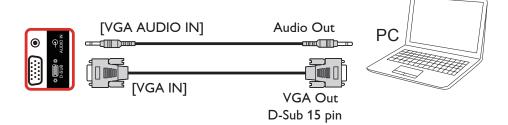
3.1. Connecting External Equipment (DVD/VCR/VCD)

3.1.1. Using HDMI video input

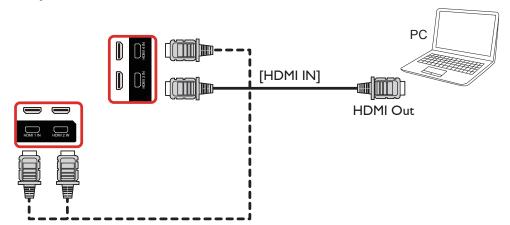


3.2. Connecting a PC

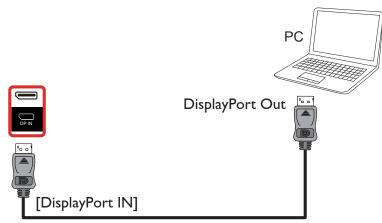
3.2.1. Using VGA input



3.2.2. Using HDMI input

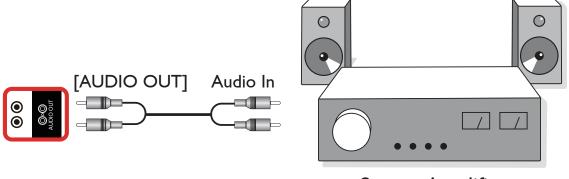


3.2.3. Using DisplayPort input



3.3. Connecting Audio Equipment

3.3.1. Connecting an external audio device



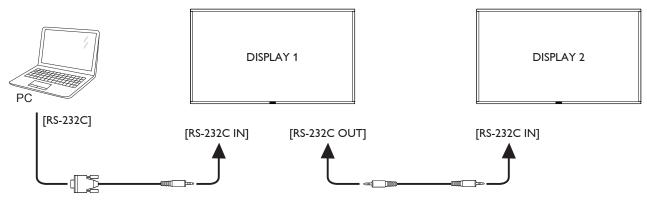
Stereo Amplifier

3.4. Connecting Multiple Displays in a Daisy-chain Configuration

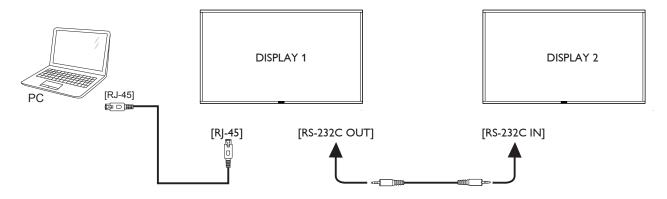
You can interconnect multiple displays to create a daisy-chain configuration for applications such as a menu board.

3.4.1. Display control connection

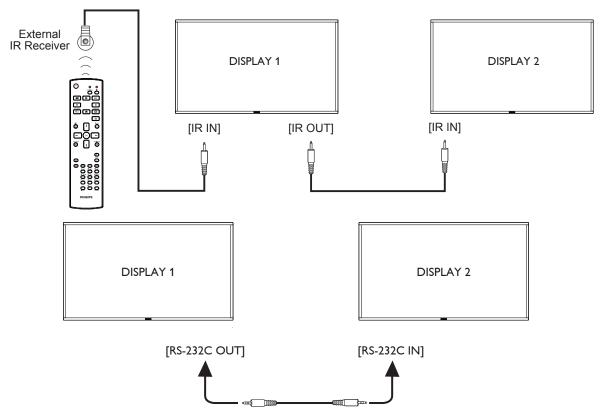
Connect the [RS232 OUT] connector of DISPLAY 1 to the [RS232 IN] connector of DISPLAY 2.



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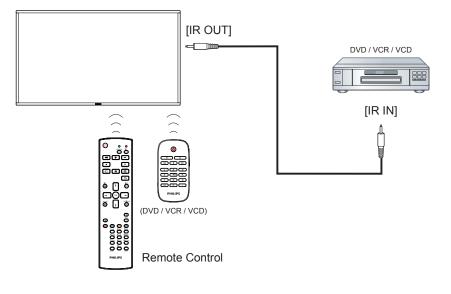
3.5. IR connection



NOTE:

- 1. This display's remote control sensor will stop working if the $\left[\text{IR IN} \right]$ is connected.
- 2. IR loop through connection can support up to 9 displays.
- 3. IR in daisy chain via RS232 connection can support up to 9 displays.

3.6. IR Pass-through Connection



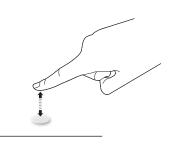
3.7. Touch Operation

This display is equipped with a touch-sensitive screen and supports the **Windows Touch** features either by singletouch or multitouch operation. You can touch the pictures or words on the display gently with your fingers, and your computer will react.

The following description illustrate some typical touch operation behavior. For further detail on how to run the touch operation, please refer to the Windows operation instruction.

Single Tap

Touch the target on the screen with one fingertip for one quick tap, then release.



Please note that a touch screen will respond to a light touch from your fingertip when tapping within 4mm above touch screen.

Double Tap

Touch the target on the screen with one fingertip for two quick taps, then release.



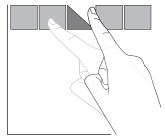
Pan

Touch the target on the screen with one fingertip and move across the target without losing direct contact, then release.



Flick

Touch the target on the screen with one fingertip and brush the surface quickly.



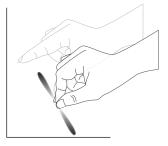
Zoom in

Touch the target on the screen with two fingertips holded together and move them apart to zoom in (magnify) the screen image.



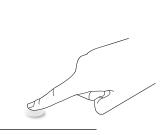
Zoom out

Touch the target on the screen with two fingertips stretched apart and move them closer to zoom out (shrink) the screen image.



Touch and Hold

Touch and hold the target on the screen with one fingertip for a while to display a context menu or options page for an item.



Avoid

- Avoid scratching with sharp object on the screen. Only your fingertips are allowed to do the touch control.
- Avoid intensive light, spotlight, or wide-spread light from direct beaming on the screen.
- Avoid installation location close to the windows or glass-doors as the direct sunlight may affect the touch-control performance.
- To avoid screens interfere wiht each other, do not make 2 touch screens side by side as the following picture.

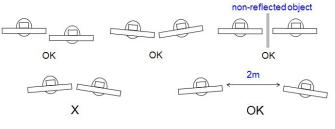


Fig.Touch screens interfering

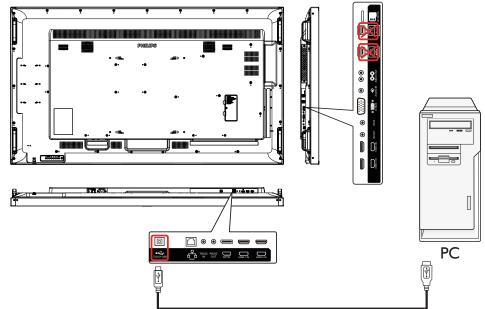
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The Touch screen does not require a device driver be installed on the host computer for Windows OS, For Windows 7 and Windows 8, it is recommended that the standard Microsoft Window Control Panel calibration is used.

ltem	Description				
Operating Systems Supported by Plug-and-Play	Windows 7, 8/8.1, 10				
· ·	OS	Single Touch	Multi Touch		
	Windows 7, 8/8.1, 10	0	0*		
	Mac OSX before (include) 10.9	0	0**		
	Mac OSX after (include) 10.10	0	0**		
	Chrome 38+	0	0***		
Supported Modes of Operation by	Android Kernel after(include) 3.6	0	0****		
the Operating System	Linux	0	0****		
	* Support 20-point touch.				
	** Mac OSX for multi touch from version 10.6 to 10.12, please download"UPDD_05_01_1482_noArea.dmg".				
	*** Chrome for multi touch can support upto	16-point.			
	**** Android with Kernel after(include) 3.6 fo	multi touch can support upto 16-po	pint.		
	***** Support 20-point by Ubuntu 12.04, 14.	14, 16.0 with kernel 4.4.0+.			

1. We highly recommend using the latest Service Pack with all Windows 7 OS.

- 2. Digitizer input to Windows refers to touch digitizer as opposed to pen digitizer in tablet PCs.
- 3. Set as default by Microsoft.
- 4. Touch cannot work if TPM USB cable plug into USB I/F.



- 5. SDK, enclosed in the website <u>www.philips.com/signagesolutions-support</u>, for 20-point touch application development is for Windows and Linux.
- 6. For Mac OS 10.10, it is recommended using the tool "**TouchService**" to re-define the touch position and simulate mouse operation(single touch). Firstly installing the tool "**TouchService**" to Mac OS, then follow the instruction of Touch Service Manual in the software package "TouchService" which is enclosed in the website <u>www.philips.com/signagesolutions-support</u>.
- 7. Please visit in the website <u>www.philips.com/signagesolutions-support</u> for the latest information about Mac OSX mode support.

4. Operation

NOTE: The control button described in this section is mainly on the remote control unless specified otherwise.

4.1. Watch the Connected Video Source

- 1. Press [-----] SOURCE button.
- 2. Press [] or [] button to choose a device, then press [OK] button.

4.2. Change Picture Format

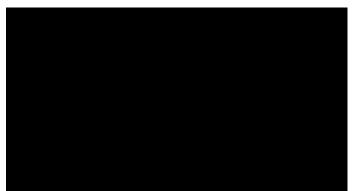
You can change the picture format to suit the video source. Each video source has its available picture formats.

The available picture formats depend on the video source:

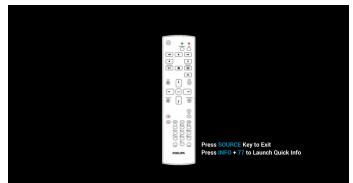
- 1. Press **FORMAT** button to choose a picture format.
 - PC mode: {Full} / {4:3} / {Real} / {21:9}/ {Custom}.
 - Video mode: {Full} / {4:3} / {Real} / {21:9}/ {Custom}.

4.3. Overview

- 1. Android PD launcher:
 - Android PD launcher is black page, as below:



- Every apps leave by press back key, the screen will go to android PD launcher.
- When you return to android PD launcher, the screen will show hint image, the hint image only show 5 second, as below:
- The hint image will notify you can press source key to change source.



- 2. Admin mode:
 - You can press "Home + 1888" to enter admin mode. Please make sure you see the Home OSD menu after "Home" is pressed, and then press 1888 in sequence. Two continuous "Home" keys will not be a valid hotkey.

- Admin mode will show five icons: "Settings", "Apps", "Network"
 "Storage" and "Help".
- When you leave admin mode, system will return to last source.

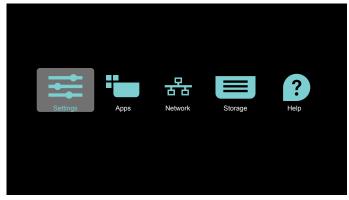
1)Home page of admin mode, this page has five items: "Settings", "Apps", "Network" "Storage" and "Help".

Settings : go to settings app.

Applications : show all apps.

Network : set Wi-Fi (optional), Ethernet

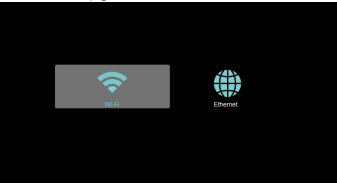
Storage : display current PD Android storage information. Help : display QRcode.



2.) Application page:



3) Network page



4) Ethernet page Verwet Mas Ranh Daské Cable Cable Bennet Configuration Connection Type Stark Bennet Configuration Bennet Configuration Bennet Configuration Bennet Configuration

5) Wi-Fi (Optional)

Disable	۲
Enable	0
To see available networks, turn Wi-Fi on.	

4.4. Media Player introduction:

 Home page of Media Player, this page has three items: "Play", "Compose" and "Settings".
 Play : select playlist to play.
 Compose: edit playlist.
 Settings: setting play properties.



 Select "Play" on home page, first you should choose one playlist to play between FILE 1 and FILE 7. The pencil icon means the playlist is non-empty.







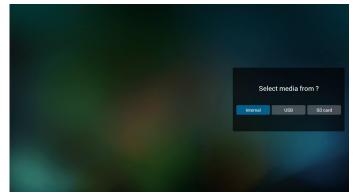
 Select "Compose" on home page, first you should choose one playlist to edit between FILE 1 and FILE 7. The pencil icon means the playlist is non-empty.

PlayList
File 1
File 2
File 3
File 4
File 5
File 6
File 7

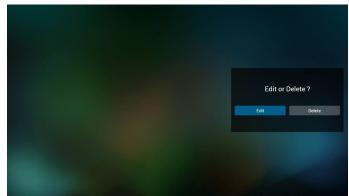
4. If an empty playlist is chosen, the app will guide you to select the media source.

All media files should be placed in /philips/ of root directory. For example,

videos: {root dir of storage}/philips/video/ photos: {root dir of storage}/philips/photo/ music : {root dir of storage}/philips/music/



5. You could edit or delete a non-empty playlist, just choose the desired playlist which is with pencil icon.



 Once you start to edit a playlist, you will see below screen. Source - files in storage. Playlist – files in playlist.

There are 4 icons which map to the keys of remote controller. Option key – launch slide bar Play key – play media file. Info key – show media info. Ok key – select/unselect file.

6-1 In the slide bar, it helps you to do the following:

- select all : select all storage files.
- delete all : delete all playlist files.
- add/remove : update playlist from source.
- sort : sort playlist.
- save/abort : save or abort playlist.
- back : return.



7. If you choose "Sort" in the slide bar, you can change the order of files one by one.



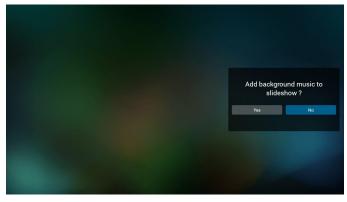
8. Press info key after you choose desired file, you will get the detail information.



9. Press play key after you choose desired file, you will play the media file directly.



10. If you make a playlist with all images files, before saving, the app will ask you if you want to have background music while playing slideshow.



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 Select "Settings" on home page, this page has three parts, "Repeat Mode", "Slideshow Effect" and "Effect Duration". Repeat Mode : play mode. Slideshow Effect : photo slideshow effect. Effect Duration : photo effect duration.

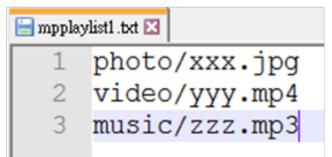


12. Media Hotkey

Play : Playback file.
Pause: Pause file.
Fast forward: forward 10 second.
Rewind: back 10 second.
Stop: Stop file and return to start. If the gif file, it like the pause.

13. Media format please refer to Page 48 Supported Media Formats

- 14. How to edit playlist via FTP. Step 1. Create media player text file.
 - Step 1. Create media player text me.
 - File name : mpplaylistX.txt, "X" means playlist number(1,2,3,4,5,6,7).
 - Ex. mpplaylist1.txt, mpplaylist2.txt
 - Content :



Note : if playlist file contains video and music, when the pd plays music file, the screen will be black.

Step 2. Copy mpplaylistX.txt to "philips" folder of internal storage. You may use FTP to do this.

- File path : /storage/emulated/legacy/philips
- Ex. /storage/emulated/legacy/philips/mpplaylist1.txt

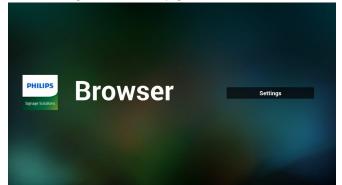
Step 3. Prepare media files to "photo", "video" and "music" folder under "philips" folder, internal storage only.

- Ex. /storage/emulated/legacy/philips/photo/xxx.jpg /storage/emulated/legacy/philips/video/yyy.mp4 /storage/emulated/legacy/philips/photo/zzz.mp3 Step 4. Start media player app, it will auto import media player text file.

PS. Once the playlist file (text) is imported, if an user change playlist by remote controller, this change will not be written to playlist text file.

4.5. **Browser manual**

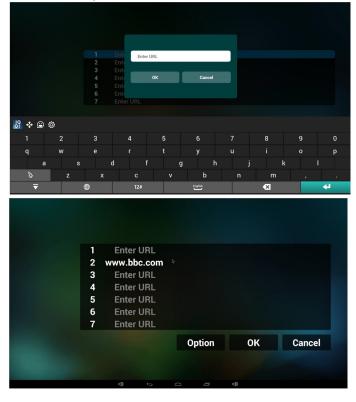
1. Home page of Browser app, this page has one item: "Settings". Press Settings then enter next page.



2. Users can choose 1~7. Press any one will show a dialog.

1	Enter URL			
2	Enter URL			
3	Enter URL			
4	Enter URL			
5	Enter URL			
6	Enter URL			
7	Enter URL			
		Option	ОК	Cancel
	¢ ↔	á 8	1	

3. Enter url and press OK then data will save on List



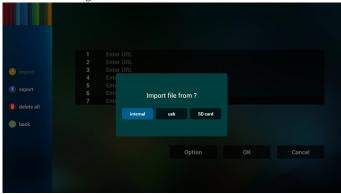
4. Press "Option" then left side will pop up a list Import : Import url list file Export : Export url list file Delete all : Delete all url record on right side Back : left side list will be closed.

	1	Enter URL			
± import	2	www.bbc.com			
	3	Enter URL			
	4	Enter URL			
🟮 delete all	5	Enter URL			
📀 back	6	Enter URL			
	7	Enter URL			
			Option	ок	Cancel
		ct €2		4)	

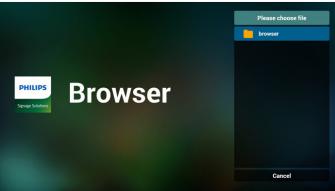
4.1 Import







Choose file contains urls .



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•

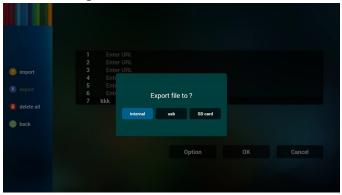
- Import file and url will show on list ww.baidu.com bbc.co w.bbc.com.tv .cnn.com OK Cancel Option
- File format for import Format should be like below with file extension "txt"



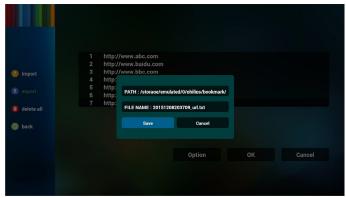
- 4.2 Export:
- Click export •



Choose storage

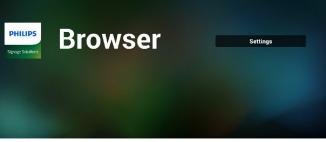


• Dialog shows path file will be saved and file's name. Press "save" button then urls on list will be saved.

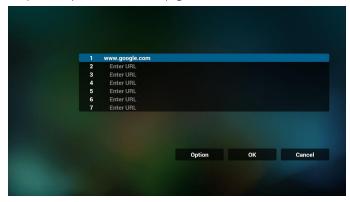


5. Press OK then url records will be saved





6. On url list page, if you select non-empty item, it will show a dialog to ask edit or play url. If press "Edit", it will show edit url dialog, if press "Play", it will show web page of item's url.





7. OSD menu interaction with Browser

- 7.1 Boot on source
- Set OSD menu => Confiuration1 => Boot on source => Input be BROWER Play List be 0. Then PD will show Browser after reboot.
- Set OSD menu => Confiuration1 => Boot on source => Input be BROWER Play List be 1.

Then PD will show web page with 1st Url in Browser app.

- 7.2 Schedule
- Set OSD menu => Advanced option => Schedule =>

On time1, Off time2, Input be BROWSER, any day you want of week, and Play List.

Finally check the right box.

Then PD will show web page with Url in Browser app at time1 and finish at time2.

- How to edit URL list via FTP Step 1. Create media player text file.
 - File name : bookmarklist.txt.
 - Content :

🔚 bookmarklist.txt 🔀

1	https://www.google.com.tw/
2	http://abc.go.com/
3	
4	
5	
6	
7	

Step 2. Copy bookmarklist.txt to "philips" folder of internal storage. You may use FTP to do this.

- File path : /storage/emulated/legacy/philips (for DL, PL)

Ex. /storage/emulated/legacy/philips/bookmarklist.txt

Step 3. Start browser app, it will auto import browser text file.

PS. Once the playlist file (text) is imported, if an user change playlist by remote controller, this change will not be written to playlist text file.

4.6. PDF reader play

- Home page of PDF Player, this page has three items: "Play", "Compose" and "Settings".
 Play : select playlist to play.
 - Compose: edit playlist.

Settings: setting play properties.



2. Select "Play" on home page, first you should choose one playlist to play between FILE 1 and FILE 7.

The pencil icon means the playlist is non-empty.



3. Select "Compose" on home page, first you should choose one playlist to edit between FILE 1 and FILE 7.

The pencil icon means the playlist is non-empty.

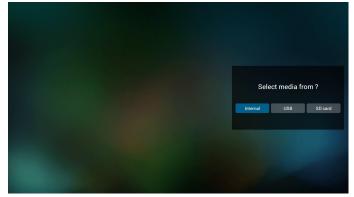


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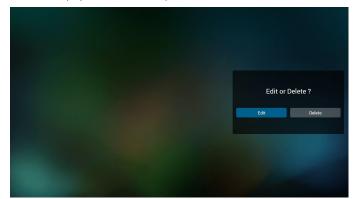
4. If an empty playlist is chosen, the app will guide you to select the media source.

All media files should be placed in /philips/ of root directory. For example,

pdfs : {root dir of storage}/philips/pdf/



5. You could edit or delete a non-empty playlist, just choose the desired playlist which is with pencil icon.



6. Once you start to edit a playlist, you will see below screen.

Source - files in storage.

Playlist – files in playlist.

There are 4 icons which map to the keys of remote controller. Option key – launch slide bar

Play key – play media file.

Info key – show media info.

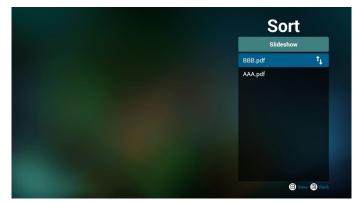
Ok key – select/unselect file.

6-1. In the slide bar, it helps you to do the following:

- select all : select all storage files.
- delete all : delete all playlist files.
- add/remove : update playlist from source.
- sort : sort playlist.
- save/abort : save or abort playlist.
- back : return.



7. If you choose "Sort" in the slide bar, you can change the order of files one by one.



8. Select "Settings" on home page, this page has two parts, "Repeat Mode" and "Effect Duration".

Repeat Mode : play mode.

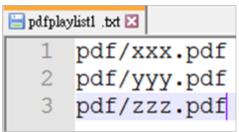
Effect Duration : photo effect duration.

Settings
Repeat Mode
Effect Duration
🗸 5s
10s
15s
20s

- 9. How to edit pdf list via FTP. Step 1. Create pdf player text file.
 - File name : pdfplaylistX.txt, ''X'' means playlist number(1,2,3,4,5,6,7).

Ex. pdfplaylist1.txt, pdfplaylist2.txt

- Content :



Step 2. Copy pdfplaylistX.txt to ''philips'' folder of internal storage. You may use FTP to do this.

- File path : /storage/emulated/legacy/philips (for DL, PL) Ex. /storage/emulated/legacy/philips/pdfplaylist1.txt

Step 3. Prepare pdf files to "pdf" folder under "philips" folder, internal storage only.

- Ex. /storage/emulated/legacy/philips/pdf/xxx.pdf /storage/emulated/legacy/philips/pdf/yyy.pdf /storage/emulated/legacy/philips/pdf/zzz.pdf

Step 4. Start pdf player app, it will auto import pdf player text file.

PS. Once the playlist file (text) is imported, if an user change playlist by remote controller, this change will not be written to playlist text file.

Media Hotkey:

Play : Playback file.

Pause: Pause page.

Fast forward: go to next page, if the page is end of the file, it will go to next file.

Rewind: back to last page, if the page is first of the file, it will back to last file.

Stop: return to first page of file

Color Hotkey:

Blue : Zoom in.(+10%)

Yellow : Zoom out.(-10%)

OK : Restore zoom

Arrow keys:

Up/Down/Left/Right : Adjust page. (When the page has zoomed in/ out)

Left : Previous Page. (When the page has not zoomed in/out) Right : Next Page. (When the page has not zoomed in/out)

Combination key:

Number key + OK key : select specific page, and press ok key to change page.

- Press number key.

- Press OK key, the bottom of the page will show the page number, if page number over total page number, it will not change page and show current page number at the bottom of the page.

4.7. CMND & Play

1) Server

Setup CMND & Play server address

2) Account Setup CMND & Play account

3) PIN Code Setup CMND & Play PIN code

(4) Version

There are two options, Ver.2 and Ver.3

Ver. 2

use 2.0/2.2 agreement

Ver. 3

use 3.0/3.1 agreement

(5) Content

÷

+

There are internal storage/SD card/USB storage 3 options for selecting.

When Ver.2, Server/Account/PIN code will be gray and unavailable.

CMND & Play	
Settings Server	
Account	
PIN Code	
Version Ver2	
CONTENT	
Internal storage	۲
SD card	0
USB storage	0

When Ver.3, Server/Account/PIN code is available.

CMND & Play	
Settings	
Server	
Account	
PIN Code	
Version Ver3	
CONTENT	
Internal storage	•
SD card	0
USB storage	0

4.8. Custom App

User can set up the application for Customer Source Note:

- (1) Only display User Installed app.
- (2) Will not show up system pre-install app.

4.8.1. OSD Menu operation:

RCU: Source -> Custom

If set up customer APK, PD will open customer app when switch source to Customer mode.

If no set up customer APK, PD will show Black screen when switch source to Customer mode.

If customer installed apk,user can select customer installed apk in list

- Case 1: Not set up Custom App case.
 - Customer app will show up and focus on first item automatically.

Custom App			
Select App Play Books			
	Select App		
	Play Books		۲
	Play Music		0
	YouTube		
	FORGET	CANCEL	SAVE

After set up, the setting screen display the app name.

Custom App Select App

4.8.2. Function Introduction



Save

Select the App, click the Save will perform the function of storage.

Forget

After press the Forget, can remove previously stored information.

Cancel

Don't do any change, directly closed Windows.

If no customer installed apk, the list will be blank.

The list will be blank and "Save"" Forget" will be gray and useless.

Select App				
	Select App			
	FORGET	CANCEL	SAVE	

Case 2: Set up Custom App case(there is entity circle to the right of icon)

Custom App		
Select App Play Music		
	Select Ann	
	Select App Play Books	

Select App		
Play	Books	
Play	Music	۲
You ¹	lube	
FORGET		CANCEL SAVE

5. Signage display

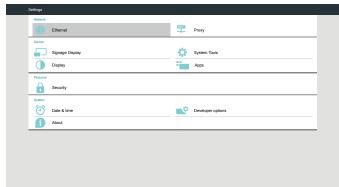
5.1. Setting

Main items:

(1) WI-Fi (Show up when plug in Wi-Fi dongle)

- (2) Ethernet
- (3) Proxy
- (4) Signage Display
- (5) System Tools
- (6) Display
- (7) Apps
- (8) Security
- (9) Date & time
- (10) Developer options

(11) About



5.2. Wi-Fi

Via Enable/Disable to control Wi-Fi On/OFF. After Enable, the screen will list all available Wi-Fi AP.

Note :

Ethernet will be disable automatically if Wi-Fi turn on and connect to network.

WEFT	
Mais Switch Disable	0
Enable	۲
🐔 ASUS.RT-N10+	
TPVLSS-6801	
🔞 Xiaomi_5966	
TPVSWA_2.4G	
W_Architecture_HC	
TPV_Guest	
TPV 🙀	
TPV_Mobile	
🐔 माग	
n Semilab Taiwan	
va Lyrasemi_AP_SF	

5.3. Ethernet

Enable/Disable to turn on/off Ethernet

After enable Ethernet, the settings will show:

- (1) Connection Type (Available connection type: DHCP/Static IP)
 - A, DHCP
 - B. Static IP
 - C. IP Address
 - D. Netmask
 - E. DNS Address



Ethernet	
Main Switch	
Disable	0
Enable	۲
To see available networks, turn Ethernet on.	
Ethernet Configuration	
Connection Type Static IP	
Mac Address 00:24:57:21:57:ea	

5.3.1. DHCP

DHCP mode:

- (1) Cannot modify IP Address, Netmask, DNS Address and Gateway.
- (2) If connect successfully, it will display current network

configuration.

Main Switch Disable		0
Enable To see available networks: Ethernet Corfiguration DHCP DHCP Mac Address 00:24:8721:57:ea	Ethernet Configuration Connector Type © DCP © Date: P IP Advans 172.172.12 Netmask 255.425.6.0 DNS Address 172.16.0.778	0
	Galeway 172.172.234 DISCARD SAV	/E

5.3.2. Static IP

In Static IP mode, user can input IP Address, Netmask, DNS address and Gateway

Note:

IP address, netmask, DNS address and gateway address input limitation

(1)	Format:
(1	n ormal.

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5.4. Proxy

Browser connect to Proxy server and ask Proxy server to connect some website on Internet.

Enable/Disable to turn on/off Proxy server.

- Click "Enable" to switch proxy function "ON"
- Input the "Proxy hostname". (Proxy server IP address)
- Input the "Proxy port". (Proxy server port number)
- Select an "Type". (Proxy server type.)
- Done.
 - If the proxy server is need an authentication to connect, please "check on" the Authentication and input Username & Password.
 - If the proxy server is not need an authentication to connect.



Note:

- Proxy type in HTTP, HTTPS, SOCKS4, SOCKS5 are support.
- Only support the connection through the proxy server with TCP port 80 & 443 & 5228.
- Proxy server with authentication on Windows Sever Series is not support.

5.5. Signage Display

Divide into 4 groups: General Settings / Server Settings / Source Settings / Security

(1) General Settings

- A. Signage Display Name
- B. Boot Logo
- C. Screenshot
- (2) Server Settings
 - A. Email Notification
 - B. FTP
 - C. Remote Control
 - D. SICP Network Port
- (3) Source Settings
 - A. Media Player
 - B. Browser
 - C. CMND & Play
 - D. PDF Player
 - E. Custom app
- (4) Security
 - A. External Storage
- (5) Other
 - A. TeamViewer Support
 - B. Platform Web API

*	Signage Display	
	General settings	
	Signage Display Name PD_0024672157ea	
	Boot Logo	
	Screenshot	
	Server settings	
	Email Notification	
	FTP	
	Remote Control	
	SCIP Network Port	
	Source settings	
	Media Player	
	Browser	
	CMND & Play	
	PDF Player	
	Custom App	
	Security	
	External Storage SD card/USB External Storage Unlock	

5.5.1. General Settings

- 1. Signage Display Name
- Set up PD name "PD_" + Ethernet Mac Address.

Note:

Input limitation:

- (1) length: Max 36 characters
- (2) format: no limit

Signage Display Name P0_00004c360011				
Boot Logo				
Screenshot				
SERVER SETTINGS				
Email Notification				
FTP	Please enter Signage Display Name			
Remote Control	PD_00e04c3600f1			
SOURCE SETTINGS				
Media Player		CANCEL	ок	
Browser				
CMND & Play				
PDF Player				
Custom App				

2. Boot Logo

1) Scalar OSD menu to control Android boot logo enable/disable Scalar OSD menu operation

RCU: Home -> Configuration2 -> Logo -> On/Off/User

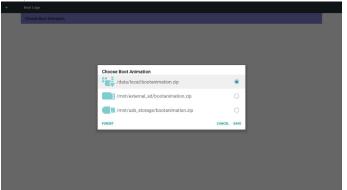
In user mode, user can choose their own boot logo animation file. Note:

(1) Boot animation file name: bootanimation.zip

 $\left(2\right)$ Will pop-up a window for user to select USB and SD card. No priority issue.

Boot Logo

2) When boot logo selected, PD will check if there is bootanimation. zip under USB and SD card.



Function introduction:

a. Option description

/data/local

Use customized boot animation file which is copied from SD card or $\ensuremath{\mathsf{USB}}$

/mnt/external_sd

Use boot animations file under SD card

/mnt/usb_storage

Use boot animations file under USB

b. Save

Press save key to save SD card or USB bootanimation.zip to /data/ local and set it as boot logo.

c. Forget

Press Forget key to delete /data/local bootanimation.zip and not show boot logo.

d. Cancel

Close dialogue w/o changes.

Scenario introduction:

Case 1

The user don't settle customized boot logo. PD does not find any bootanimation.zip file under SD and USB. The list will be blank. Save and Forget button will be gray and useless.

	Choose Boot Animation	
	FORGET	CANCEL SAVE

Case 2

The users do not settle customized boot logo. PD find bootanimation.zip file under SD and USB. The screen will show bootanimation.zip and select the first file automatically.

Choose Boot Animation	Choose Boot Animation //mot/external_sd/bootanimation.zip i/mot/usb_storage/bootanimation.zip	Choose Boot Animation //mrt/external_sd/bootanimation.zip if //mrt/usb_storage/bootanimation.zip	Choose Boot Animation //mrt/external_sd/bootanimation.zip if //mrt/usb_storage/bootanimation.zip					
/mrt/external_sd/bootanimation.zip Imrt/usb_storage/bootanimation.zip	/mnt/external_sd/bootanimation.zip Imnt/external_sd/bootanimation.zip	/mnt/external_sd/bootanimation.zip Image: mnt/usb_storage/bootanimation.zip	/mnt/external_sd/bootanimation.zip Image: mnt/usb_storage/bootanimation.zip					
/mnt/external_sd/bootanimation.zip Imnt/usb_storage/bootanimation.zip	/mnt/external_sd/bootanimation.zip Imnt/usb_storage/bootanimation.zip	/mnt/external_sd/bootanimation.zip Imnt/usb_storage/bootanimation.zip	/mnt/external_sd/bootanimation.zip Imnt/usb_storage/bootanimation.zip					
/mnt/externaLsd/bootanimation.zip Imat/vsb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Imat/vsb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Imat/vsb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Imat/vsb_storage/bootanimation.zip					
/mnt/externaLsd/bootanimation.zip Immt/usb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Immt/usb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Immt/usb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Immt/usb_storage/bootanimation.zip					
/mmt/external_sdt/bootanimation.zip Immt/usb_storage/bootanimation.zip Immt/usb_storage/bootanimation.z	/mmt/external_sdt/bootanimation.zip Immt/usb_storage/bootanimation.zip Immt/usb_storage/bootanimation.z	/mmt/external_sdt/bootanimation.zip Immt/usb_storage/bootanimation.zip Immt/usb_storage/bootanimation.z	/mmt/external_sdt/bootanimation.zip Immt/usb_storage/bootanimation.zip Immt/usb_storage/bootanimation.z					
/mnt/externaLsd/bootanimation.zip Imnt/usb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Imnt/usb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Imnt/usb_storage/bootanimation.zip	/mnt/externaLsd/bootanimation.zip Imnt/usb_storage/bootanimation.zip		Choose Boot Animation			
							۲	
					/mnt/usb_storage/bootanimation.zip		0	
						CANCEL	SAVE	

Case 3

The user settle customized boot logo, the screen will show /data/ local/bootanimation.zip.

Choose Boot Animation				
			-	
	Choose Boot Animation		_	
	/data/local/bootanimation.zip		۲	
	/mnt/external_sd/bootanimation.zip		0	
	/mnt/usb_storage/bootanimation.zip		0	
	FORGET	CANCEL	SAVE	

3) If OSD menu Logo item is On or Off, the users cannot choose boot animation in Android settings.

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3. Screenshot

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Via Enable/Disable to control screenshot On/Off.

After Enable, user can set screenshot timeslot and save path. Note:

Time slot of deletion and screenshot:

- (1) Will delete picture at initial time 0 sec.
- (2) Will screeshot at first 40 sec.
- (3) Media player, Browser, CMND & play, PDF reader, Custom source are supported.
- (4) Screenshot will not include video container

Screenshot	
Main Switch	
Disable	۲
Enable	0
Screenshot	
Interval 30 minutes	
Start time	
End time	
Repeat	
Save to	
Internal storage	
Purge Screenshots Every Day	
Send screenshots via email	

1) Interval

Set up interval timeframe. 30 mins or 60 mins.

•

2) Start Time

Set up screenshot start time.

Note:

(1) If no start time, the screen will show current time automatically

(2) Just press Back key to exit dialog for Set up

 $\left(3\right)$ Start time cannot be newer than End time. It will show Error toast.



3) End Time

Set up screenshot End time



Note :

(1) If no End time, the screen will show current time automatically(2) Start time cannot be newer than End time. It will show error toast.

4)Repeat

Set screenshot repeat cycle. User can choose screenshot time frame. (Multiple selection)

Main Switch			
Disable			۲
Enable			
Screenshot Interval 30 minutes	Repeat		
Start time 01:23	Monday Tuesday		
End time 01:24	Wednesday Thursday		
Repeat	Friday		
Save to Internal storage	Saturday		
Purge Screenshots Every Day	_	CANCEL OK	
Send screenshots via email			

5)Save to

Set up screenshot save path. Internal storage, SD card or USB storage.)

Note:

picture storage path

(1) In root of internal storage/usb storage/sd card, PD will create folder automatically.

(2) The picture will save to philips/Screenshot/.

Main Switch Disable			۲
Enable			
Screenshot Interval 30 minutes			
Start time 01:23	Save to Internal storage		
End time 01:24	O SD card O USB storage		
Repeat Save to		CANCEL	
Internal storage Purge Screenshots Every Day			

6)Purge Screenshots

Set up purge timeframe. One day or One week.

Main Switch			
Disable			۲
Enable			
Screenshot			
Interval 30 minutes			
Start time 0123	Purge Screenshots		
End time	Every Day		
	O Every Week		
Repeat		CANCEL	
Save to Internal storage			
Send screenshots via email			۵

(7) Send screenshots via email

After check this item, it will send screenshot to email of administrator Please refer to 6.2.1 Email notification

Note:

Please confirm Email setting is done.

5.5.2. Server Settings

1. Email Notification

Via Enable/Disable to control Email On/Off)

After Enable, user can set up Email notification configuration.

÷	Email Notification	
	Main Switch	
	Disable	۲
	Enable	0
	SMTP	
	Settings	
	Manger Emil	
	Settings	
	TEST	
	Send Test Mall	

1) SMTP

Set SMTP configuration)

User can set Gmail account or other mail account.

User can select other mail account and set up SMTP server, Security type and port item $% \left({{\left({{{\rm{SMTP}}} \right)}_{\rm{SMTP}}} \right)$

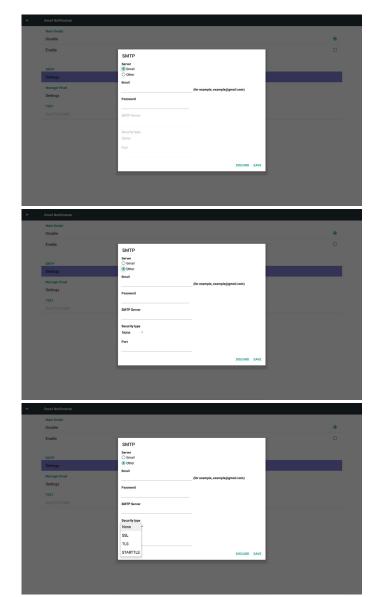
Note

Password input limitation

(1) Length: 6-20 characters

(2) Format: no limit

(3) unavailable port: 5000



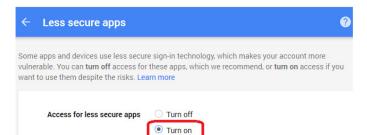
Gmail safety setting

If Gmail is not working when the settings are completed, please test the Gmail account via a PC and the below link

https://www.google.com/settings/security/lesssecureapps

And confirm on "Access for less secure apps" the "Turn on" item is selected.

Google



Yahoo Email Security Setting

If Yahoo Email is not working when setting complete, please confirm "Allow apps that use less secure sign in" item is enabled.

	-
Account security	
Charge password	
Phone numbers	
+1 (770) 880-7859	
Add recovery email address	
Two-step verification Additional security:	
Learn more	
Some non-Yahoo apps and devices use less secure sign- in fechnology, which could leave your account watercable. You can ture of access (which we recommend) or choose to use them	
despite the risks. Learn more	
	Account security Crays sessed C

2)Manager Email

Email

Set up Receiver mail account

Main Switch		
Disable		۲
Enable		
SMTP		
Settings		
		_
Settings	Manager Email	
TEST	Manager Email	
	(for example@gmail.com)	
	DISCARD SAVE	

3)Test

Send Test Mail

To test Gmail account receive/send function.

Note

(1) When Email is Disable, "Send Test Mail Button" button will gray out

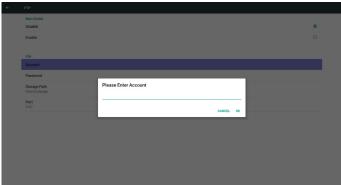
2. FTP

Via Enable/Disable to control FTP On/Off. After set up, PD can share FTP files.

FTP	
Main Switch	
Disable	۲
Enable	0
FTP	
Account	
Password	
Storage Path Internal storage	
Port	
2121	

1) Account
Set up FTP account
Note:
Input limitation
(1) Length: 4-20 characters
(2) Format:

- I. English a-z and A-Z II. Number 0-9



2) Password

Set up FTP password. Note: Input limitation (1) Length: 6-20 characters (2) Format:

- I. English a-z and A-Z II. Number 0-9
- FTP password display

(1) Will show "*" symbol to instead password if set up password via remote control.

(2) After set up, the password text will show as "*" symbol.

Before password input:

Main Switch Disable		۲
Enable		
FTP Account		
Storage Path Internal storage	Please Enter Password	
Port 2121	CANCEL OK	

After password input:

Main Switch Disable			۲
Enable			
FTP Account			
Storage Path Internal storage	Please Enter Password		
Port 2121	CANCEL	ок	

Set up completed screen:

Main Switch Disable	۲
Enable	0
FTP Account	
Password	
Storage Path Internal storage	
Port 2321	

3)Storage Path

Show default path: Internal storage

Note:

Can only display Internal storage, cannot be modified.(Only show path)

Main Beltah Disable	۲
Enable	0
FTP Account	
Password	
Storage Path Internal Istorage	
Port 2121	

3. Remote Control

Via Enable/Disable to Control Remote Control On/Off

User can input Server address. If server does not registered, it will ask user for PIN code.

Bind status:

(1) Will show network is disconnected if not yet connects to network.

Remote		
Main Sw	itch	
Disable		۲
Enable		0
Remote	Centrol	
Server		
Bind Network		

(2) Will show Server is disconnected if network connected but remote control server disconnected.

Remote Control	
Main Switch	
Disable	۲
Enable	0
Remote Control	
Server	
Bind Server is deconnected.	

4) Will show Server is unbinded if Remote control server feedback unbinded status.

5) Port

Set up FTP port number. Default: 2121

Note:

Input limitation

(1) Length: Max 5 characters

(2) Range: 1024 ~ 65535

- (3) Format: Number 0-9
- (4) Unavailable port: 5000

(5) The port number must more than 1024

Main Switch		
Disable		۲
Enable		
FTP Account		
Password	Please Enter Port	
Storage Path		
Internal storage	2121	_
	CANCEL OK	
		_

(3) Will show Server is unbinded if Remote control server feedback unbinded status.



÷

(4) Will show Server is binded if Sever binded successfully.

0
۲

5.5.3. Source Settings

1. Media Player

Can Edit Media Player play list and effect settings.

Edit Play List Edit Effect Settings

(5) Will show Error PIN code if input incorrect PIN code.

0
۲

Error PIN code.

4. SICP Network Port

- Change SICP Network Port. Note:
- 1. Range: 1025-65535
- 2. unavailable port: 8000 / 9988 / 15220 / 28123 / 28124

(1) Open Media Player Player List edit page.

PlayList
File 1
File 2
File 3
File 4
File 5
File 6
File 7

(2) Open Media Player slideshow effect edit page.

Settings
Repeat Mode
Slideshow Effect
Effect Duration

2. Browser

÷

Can edit Bookmark configuration.

Browner Edit Bookmark Open Browser setting page.



3. CMND & Play

1) Server Setup CMND & Play server address 2) Account Setup CMND & Play account 3) PIN Code Setup CMND & Play PIN code (4) Version There are two options, Ver.2 and Ver.3 Ver. 2 use 2.0/2.2 agreement Ver. 3 use 3.0/3.1 agreement (5) Content There are internal storage/SD card/USB storage 3 options for selecting. When Ver.2, Server/Account/PIN code will be gray and unavailable.

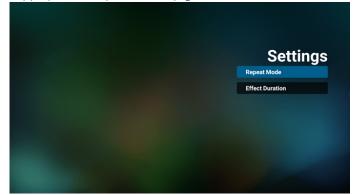
SmartCMS	
Bettings Server	
Account	
PIN Code	
Version Ver. 2	
CONTENT Internal storage	۲
SD card	0

4. PDF Player

(1) Open PDF Player Player List edit page.

PlayList
File 1
File 2
File 3
File 4
File 5
File 6
File 7

(2) Open PDF Player effect edit page.



5. Custom App

User can set up the application for Customer Source.

Note

- (1) Only display User Installed app.
- (2) Will not show up system pre-install app.

Scalar OSD menu operation

RCU: Source -> Custom

If set up customer APK, PD will open customer app when switch source to Customer mode.

If no set up customer APK, PD will show Black screen when switch source to Customer mode.

When Ver.3, Server/Account/PIN code is available.

SmartCMS	
Settings	
Server	
Account	
PIN Code	
Version Ver. 3	
CONTENT	
Internal storage	۲
SD card	0

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Function introduction



(1) Save

Select App and press Save key to save it.

(2) Forget

Press Forget key to clean previous stored data

(3) Cancel

No change, close window directly

If no customer installed apk, the list will be blank.

No option for choose. Save and Forget key will be gray and unavailable.

÷			
	Select App		
	PORGET	CANCEL SAVE	

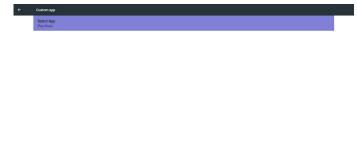
User can select customer installed apk in list

No setup Custom App

Screen will show available apps and focus on first app item automatically.

÷				
	Select App			
	Play Books		۲	
	Play Music		0	
	YouTube		0	
	FORGET	CANCEL	SAVE	

After setup, it will show App name



Case2. Setup Custom App. (there is a checked circle on right)

Custom App					
	Select App Play Books		0		
	Play Music		۲		
	YouTube		0		
	FORGET	CANCEL	SAVE		

5.5.4. Security

1. External Storage

Enable: SD card/USB External Storage Lock.

Disable: SD card/USB External Storage Unlock.

Note:

Must re-plug SD card/USB External Storage after unlock the external storage.

5.5.5. Other

(1) TeamViewer Support

Enable / Disable TeamViewer support.

(2) Platform Web API Enable / Disable Platform Web API.

5.6. System Tools

System tools 4 main functions:

- (1) Clear Storage
- (2) Factory Reset
- (3) Import & Export
- (4) Clone Media Files

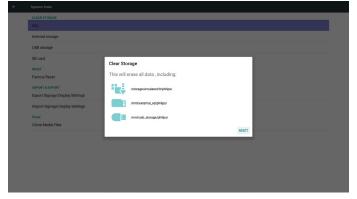
System Tools
CLEAR STORAGE
ALL
Internal storage
USB storage
SD card
RESET
Factory Reset
IMPORT & EXPORT
Export Signage Display Settings
Import Signage Display Settings
Clone
Clone Media Files

5.6.1. Clear Storage

The purpose is to clear all data in Philips folders. Divided into 4 mode:

- (1) Clear all Philips folders
- (2) Only clear Philips folder under Internal storage.
- (3) Only clear Philips folder under USB storage.
- (4) Only clear Philips folder under SD card.

Pop-up the window to display all folders which can be clear.



5.6.2. Factory Reset

Factory Reset can recover to Factory default settings.

-	Factory Reset
This w	ill erase all data from your Signage Display's internal storag
Down Musi Phot	
Erase	all your personal information and downloaded apps?

Press OK to execute Reset function automatically.

← Factory Reset		
This will erase all data from your Signage Display's	Internal storage, including:	
System and app data and settings Downloaded apps Music Photos Other user data		
Erase all your personal information and downloade You can't reverse this action! The system will reboo		
	Reset?	
	Erase all your personal information and downloaded apps? You can't reverse this action! The system will reboot later!	
	CANCEL	OK

5.6.3. Import & Export

The function of Import & Export PD settins. Notes.

- (1) Settings.db (Saved file name: settings.db)
- (2) Will save to Philips folder in storage

5.6.3.1 Export Signage Display Settings

Will export to Philips folder under USB or SD card

- (1) Export settings.db. Include OSD setting, Android settings but "Signage Display Name" and "Boot Logo"
- (2) Export 3rd party apk to Philips/app/

Note:

If no Philips folder exists in USB or SD card, it will be created automatically.

List	all	available	storage	(internal/SD/USB)	
LIJU	un	avanabic	JULIU	(111011101000)	

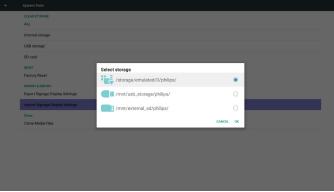
CLEAR STORAGE			
ALL			
Internal storage			
USB storage			
SD card			
RESET	Select storage		
Factory Reset	/storage/emulated/0/philips/	•	
IMPORT & EXPORT			
Export Signage Display Settings	/mnt/usb_storage/philips/	0	
Import Signage Display Settings	/mnt/external_sd/philips/	0	
Clone			
Clone Media Files	CANCEL	ок	

5.6.3.2 Import Signage Display Settings

Import settings.db from Philips folder under USB or SD card.

- (1) Import settings.db. Include OSD setting, Android settings but "Signage Display Name" and "Boot Logo"
- (2) Auto install 3rd party apk from Philips/app/

List all available storage (Internal/SD/USB)



Show notification dialog before database import

CLEAR STORAGE ALL		
Internal storage		
USB storage		
SD card		
RESET Factory Reset	Import Signage Display Settings	
IMPORT & EXPORT Export Signage Display Settings	Are you sure you want to import the settings and apps? After importing successfully, the system will load the settings, install all apps and reboot automatically.	
Import Signage Display Settings		
Clone Clone Media Files	CANCEL OK	

5.7. Clone Media File

Clone media file from Internal, SD or USB Philips folder.

1. The cloned folder name under Philips folder

- (1) philips/photo
- (2) philips/music
- (3) philips/video
- (4) philips/cms
- (5) philips/pdf
- (6) philips/browser

2. The cloned file extension name is ".cms")

Clone Source

- (1) Internal storage
 - (a) check FTP
 - (b) check /Philips/
- (2) SD / USB
- Files under root
- Target Location
- (1) Internal storage
- Save to /Philips/
- (2) SD / USB
 - Save to root

۲
C
0
0
C

5.8. Display

User can modify the font size, can choose: Small/Normal/Large/Huge

CLONE

5.9. Apps

Display applications information.

Note

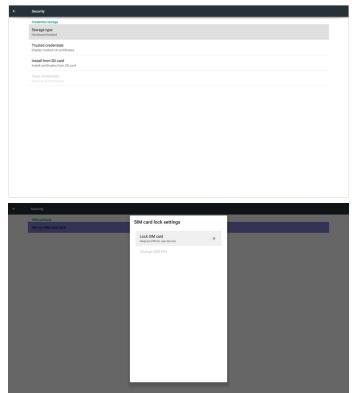
(1) User options key on RCU to show setting option.

No apps

5.10. Security

(1) Credential storage

Control panel of certificates



5.11. Date & time

Via Scalar OSD menu to control Auto Time On/Off. Note:

Add new NTP server to display current server IP.

Date & time Select time zone GMT+01:00 British Summ NTP Server

5.12. Developer options

Android developer options. For more information please visit https://developer.android.com/index.html

Developer options	
Take bug report	
Desktop backup password Desktop full backups aren't currently protected	
Stay awake Soreen will never sleep while charging	0
Process Stats Geeky stats about running processes	
Boot check run denopt for appe when boot accident detected	0
Debugging	
USB debugging Debug mode when USB is connected	
Bug report shortcut Show a button in the power menu for taking a bug report	0
Allow mock locations Allow mock locations	
Enable view attribute inspection	(3
Select debug app No debug application set	

5.13. About

Main info in About:

- (1) System updates
- (2) Android version
- (3) Kernel version
- (4) Build number

rstem updates	
ndroid version	
ernel version	

number lipo eng 5.1.1 LMY48Y eng wenyuanilao.20160907.1213

5.13.1.System updates

Will automatically search update.zip in USB. Will be shown in list for user selection if found Note:

- (1) Only support Android Full image.
- (2) file name should be update.zip.

(3) the file should be located in root of storage.

Syntem spelates Android version 5.1 Kennel version 3.0 Manual Constant Manual
513 Kenal version 313 4000-0000 Build runder
3.00 3.00 4.20 CLOSOP Build number
Select storage
I /mnt/usb_storage/update.zip
/mnt/external_sd/update.zip
CANCEL OK

After select update.zip file, PD will restart and start to update.

5.14. Supplementary

5.14.1.Quick Info

You can press "Info + 77" to startup quick info.

Quick info will show "Network" and "Monitor Information", as below: Note:

Operation hours : It is updated every minute.

Heat status : It is updated every 5 seconds.



5.14.2. How to custom an Android boot animation?

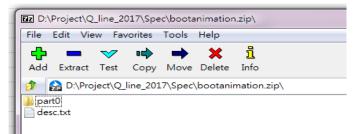
1. Overview

The Android boot animation is used script to load PNG files when the device boots. It is contained within an **uncompressed** zip file called **bootanimation.zip**.

2. Inside the bootanimation.zip file

The bootanimation.zip as follow:

- The image folder (Contains PNG images named in incremental numbers)
- The desc.txt file



(1) The image folder

These contain PNG images named in numbers, starting from something like 0000,png or 0001.png and proceeding with increments of 1.There has to be at least one folder and there is no known upper limit to the number of folders.

(2) The desc.txt file

This file defines how the images in the folder(s) are displayed during the boot animation, in the following format:

- Width Height Frame-rate
- mode Loop delay-time Folder1
- mode Loop delay-time Folder2

An example of a desc.txt file is:

- 1920 1080 30

- p 1 0 part0
- p 0 0 part1

a.The first line

1920 and 1080 define the width and height of the screen resolution.

30 is the frame rate in fps (frames per second) i.e. number of images to display per second.

b. The second and third lines have a same format.

The first 'p' defines play mode is immediately stop playing when boot complete.

The number after 'p' defines repeat mode

- specifying 0 would make the part loop indefinitely till the device has boot complete.
- specifying 1 would make the part playback once.

The next number defines the delay time(ms). For example, if set 10, when all image files has been playback, system will delay 10ms.

The part0 and part1 are image folder name.

The above example, the boot animation will play at a resolution of 1920 by 1080 pixels, at a frame rate of 30 fps, starting with the contents of part0 folder and after playing them in one loop, switching to contents of part1 folder and playing them continuously till the device boot complete.

3. Zip file:

Select everything (image folders and desc.txt) inside the Bootanimation folder and zip them into a new **uncompressed zip archive** using your favorite compression utility like 7zip or WinRAR and so on.

If using 7zip, set compression level to "Store"

rites	Name			Date modified	Туре	Siz
sktop	art0			1/6/2012 8:11 AM	File folder	
wnloads	desc			1/6/2012 11:53 AM	Text Document	
ent Places	And and a second					
Add to Arch	hive					×
ri cu Archive:						
bootanima	ation zip				•	
tu Archive for	mat:	zip	•	Update mode:		
Compressi	an Inuni	Store		Add and replace files		•
pl	on level.	Store		Optiona		
(Compressi	on method:		•	Create SFX archive		
r Dictionary	aize:	<u></u>	•	Compress shared files	s	
Word size:			-	Encryption		
Solid Block	k size:		*	Enter password:		
Number of	CPU threads	4	/4			
	or o though			Reenter password:		
Memory us	sage for Compressin	9:	1 MB			
Memory us	sage for Decompres	sing:	1 MB	Show Password		
Split to vol	umes, bytes:			Encryption method:	ZpCypto	•
-			-			
Parameten	s:					
				OK Cano	el Hel	0

If using WinRAR, set "Compression method" to "Store"

Archive name	F
	Browse
bootanimation.zip	~
<u>U</u> pdate mode	
Profiles Add and replace files	Ý
RAR Delete files after a Image: Create SFX archiv Create solid archiv Compression method Put authenticity with anticity with ant	e ve
Compression method Put authenticity we Store Put recovery reco	
Split to volumes, bytes Test archived files	

or else bootanimation WON'T work

4. Apply the custom bootanimation

Procedure:

(1). Put your custom bootanimztion.zip file into external SD card or USB and plug into Phillips PD platform.

(2.) Make sure the Logo option is enabled.

Press Home key on RCU: OSD menu -> Configuration 2 -> Logo -> set "User"

(3.) Press combination key "Home + 1888" on RCU to go to Admin mode:

Settings -> Signage Display -> GENERAL SETTINGS -> Boot Logo

(4). The system will find the bootanimation.zip in external SD card or USB automatically and copy it to /data/local

(5.) Once step 1~4 has been done, restart the system. The new customized boot animation should be displayed during boot time.

5.14.3. How to Install Android app?

There are 3 ways to install your own android app.

(a) Via File Manager in Admin Mode

1. If you have apk already

1.1 copy your apk to USB disk or SD card, and then plug them into Philips Android Signage Display.

1.2 Go to Admin Mode > Apps > File Manager

1.3 Using File Manager and find out your apk and then you can install. Just press ''ok'' on the selected apk.

2. Download apk by Chromium browser, and then go to <internal storage path>/Download/ by File Manager.

2.1 The rest of steps is the same as above. Please note, each model may have different <internal storage path>.

(b) Via Adb Shell

1. Make sure that your PC can connect to Philips Android Signage Display using adb.

2. Prepare your apk in a folder(for example, C:\apkfolder) on PC.

3. Execute the following instruction by command line tool.

C:\apkfolder> adb install -r apk_name.apk

(c) Via Customized Intent

1. If you develop an apk which can download any android app, then your apk can issue a customized intent.

2. Giving the apk name and the path it was stored. The system will help you to install by program.

Description	Intent	Parameters	
		filePath	The absolute file path including the file name.
Sw Update	php.intent. action. UPDATE_APK	Кеер	Indicate that you want to keep the file or not after updating.The default value is false.
		packageName	The target package you want to launch automatically after updating.
		activityName	The target activity you want to launch automatically after updating. But if current top activity is not activityName, nothing happened.

For example,

Intent intent = new Intent();

intent.setAction("php.intent.action.UPDATE_APK");

 $intent.put \ensuremath{\mathsf{Extra}}(``filePath'',`'/sdcard/Download/apk_name.apk'');$

intent.putExtra(''keep'', true);

intent.putExtra("packageName", "com.example.apk_name");

intent.putExtra("activityName", "com.example.apk_name.MainActivity"); sendBroadcast(intent);

6. OSD Menu

An overall view of the On-Screen Display (OSD) structure is shown below. You can use it as a reference for further adjusting your display.

6.1. Navigating the OSD Menu

6.1.1. Navigating the OSD menu using the remote control



- 1. Press [] button on the remote control to display the OSD menu.
- 2. Press [] or [] button to choose the item you want to adjust.
- 3. Press [OK] or [-] button to enter the submenu.
- In the submenu, press [1] or [7] button to toggle among items, press
 [-] or [-] button to adjust settings. If there is a submenu, press
 [OK] or [-] button to enter the submenu.
- 5. Press [1] button to return to the previous menu, or press [1] button to exit the OSD menu.

6.1.2. Navigating the OSD menu using the display's control buttons

- 1. Press [MENU] button to display the OSD menu.
- 2. Press [+] or [-] button to choose the item you want to adjust.
- 3. Press [+] button to enter the submenu.
- In the submenu, press [▲] or [▼] button to toggle among items, press [+] or [−] button to adjust settings. If there is a submenu, press [+] button to enter the submenu.
- 5. Press [**MENU**] button to return to the previous menu, or press [**MENU**] button several times to exit the OSD menu.

6.2. OSD Menu Overview

6.2.1. Picture menu

Picture	Brightness	90
Screen	Contrast	50
Audio	Sharpness	20
Configuration 1	Black level	50
Configuration 2	Tint	50
Advanced option	Color	55
	Noise reduction	Medium
	Gamma selection	Native
	Color temperature	Native
	Color control	Action
	Smart power	Off
	Overscan	Off

Brightness(Picture)

Adjust the overall image and background screen brightness(backlight).

Contrast

Adjust the image contrast ratio for the input signal.

Sharpness

This function is digitally capable to keep crisp image at any timings.

It is adjustable to get a distinct image or a soft one as you prefer and set independently for each picture mode.

Black level

Adjust the image brightness for the background.

NOTE: sRGB picture mode is standard and cannot be changed.

Tint (Hue)

Adjust the tint of the screen.

Press + button the flesh tone color becomes greenish. Press - button the flesh tone color becomes purplish. NOTE:VIDEO mode only.

Color(Saturation)

Adjust the color of the screen.

Press + button to increase color depth. Press - button to decrease color depth.

NOTE:VIDEO mode only

Noise Reduction

Adjust the noise reduction level.

Gamma selection

Select a display gamma. It's refer to the brightness performance curve of signal input. Choose from {Native} / {2.2} / {2.4} / {s gamma} / {D-image}. NOTE: sRGB picture mode is standard and cannot be changed.

Color temperature

It is used to adjust the color temperature.

The image becomes reddish as the color temperature decreases, and becomes bluish as the color temperature increases.

ССТ	10000° K	9300 ° K	7500 ° K	6500 ° K	5000 ° K	4000 ° K	3000 ° K
X	0.279 ± 0.030	0.283 ± 0.030	0.299 ± 0.030	0.313 ± 0.030	0.346± 0.030	0.382± 0.030	0.440± 0.030
Y	0.292 ± 0.030	0.298 ± 0.030	0.315 ± 0.030	0.329 ± 0.030	0.359± 0.030	0.384± 0.030	0.403± 0.030

Color control

The color levels of red, green, and blue are adjusted by the color bars. R: Red gain, G: Green gain, B: Blue gain.

Smart power

Smart Power control is not relative to brightness control:

- 1. Initial setting Brigthness
 - 70 (in the range from 0-100)

Power consumption 70% of maximum power consumption

- 2. Smart Power
 - OFF: no adaptation

MEDIUM: 80% of power consumption relative to current settings HIGH: 65% of power consumption relative to current settings

Overscan

Change the display area of the image.

ON: Set to display area about 95%.

OFF: Set to display area about 100%.

Picture reset

Reset all settings in the Picture menu.

Select "Yes" and press "SET" button to restore to factory preset data. Press "EXIT" button to cancel and then return to the previous menu.

6.2.2. Screen menu

Picture	H position	50
Screen	V position	50
Audio	Clock	97
Configuration 1	Zoom mode	Full
Configuration 2	Custom zoom	Action
Advanced option	Auto adjust	Action
	Screen reset	Action

H position

Control Horizontal Image position within the display area of the LCD. Press + button to move screen to right.

Press - button to move screen to left.

NOTE:VGA input only.

V position

Control Vertical Image position within the display area of the LCD.

Press + button to move screen to up.

Press - button to move screen to down.

NOTE:VGA input only.

Clock

 $\ensuremath{\mathsf{Press}}$ + button to expand the width of the image on the screen the right.

Press - button to narrow the width of the image on the screen the left. NOTE:VGA input only.

Zoom mode

HDMI, DP,VGA, OPS: {Full} / {4:3} / {Real} / {21:9}/ {Custom}.

Playing media in Media Player : {Full} / {4:3} / {Real} / {21:9}

There are no function when BROWSER, CMND & Play, PDF Player, PDF Player, Custom and Media Player UI and Android UI

Zoom Mode will be $``{\mbox{Full}}''$ when tiling

Full This mode restores the correct proportions of pictures transmitted in 16:9 using the full screen display.
4:3 The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture.
Real This mode displays the image pixel-by-pixel on screen without scaling the original image size.
16:9 The picture is reproduced in 16:9 format and a black band at the top and bottom.
21:9 The picture is reproduced in 21:9 format and a black band at the top and bottom.
Custom Choose to apply the custom zoom settings in the Custom Zoom submenu.

Custom zoom

You can use this function to further customize the zoom settings to suit the image you want to display.

NOTE: This item is functional only when the {Zoom mode} is set to {Custom}.

Zoom Expands the horizontal and vertical sizes of the image simultaneously.
 H zoom Expands the horizontal size of the image only.
V zoom Expands the vertical size of the image only.
H position Moves the horizontal position of the image left or right.
V position Moves the vertical position of the image up or down.

65BDL3052T

Auto adjust

Press ''Set'' to detect and adjust H position, V position, Clock, Phase automatically.

NOTE:VGA input only.

Screen reset

Reset all settings in the Screen menu to factory preset values.

6.2.3. Audio menu

Picture	Balance	50
Screen	Treble	50
Audio	Bass	50
Configuration 1	Volume	30
Configuration 2	Audio Out (Line Out)	30
Advanced option	Maximum Volume	100
	Minimum Volume	0
	Mute	Off
	Audio source	Digital
	Audio reset	Action
	Audio Out Sync	Off

Balance

Adjust to emphasize left or right audio output balance.

Treble

Adjust to increase or decrease higher-pitched sounds.

Bass

Adjust to increase or decrease lower-pitched sounds.

Volume

Adjust to increase or decrease the audio output level.

Audio out (line out)

Adjust to increase or decrease line out output level.

Maximum volume

Adjust your own limitation for the maximum volume setting. This stops the volume from being playing at too loud a level.

Minimum volume

Adjust your own limitation for the minimum volume setting.

Mute

Turn the mute function on/off.

Audio source

Select the audio input source. There are no audio output when no video signal.

Analog: audio from audio input Digital : audio from HDMI/DVI audio.

Audio reset

Reset all settings in the Audio menu to factory preset values.

Audio Out Sync

Enable/disable audio out (line out) volume adjustability to sync with internal speakers.

6.2.4. Configuration1 menu

Picture	Switch on state	Force on
Screen	Panel saving	Action
Audio	RS232 routing	RS232
Configuration 1	Boot on source	Action
Configuration 2	WOL	Off
Advanced option	Configuration1 reset	Action
	Factory reset	Action

Switch on state

Select the display status used for the next time you connect the power cord.

- {**Power off**} The display will remain off when the power cord is connected to a wall outlet.
- {Forced on} The display will turn on when the power cord is connected to a wall outlet.
- {Last status} The display will return to the previous power status (on/off/standby) when removing and replacing the power cord.

Panel saving

Choose to enable the panel saving functions and thus reduce the risk of "image persistence" or "ghost-imaging".

- {Brightness} Select {On} and the image brightness will be reduced to an appropriate level. The Brightness setting in the Picture menu will be unavailable when selected.
- {Pixel shift} Select the time interval ({Auto} / {10 ~ 900} Seconds/ {Off}) for the display to slightly expand the image size and shift the position of pixels in four directions (up, down, left, or right). Activating Pixel Shift will disable H Position, V Position and Zoom Mode in the Screen Menu.

Note: Only support external input source (HDMI, VGA, DP, OPS).

RS232-Routing

Select the network control port.

Choose from: {RS232} / {LAN -> RS232} / {CardOPSRS232 (OPS model only)}.

Boot on source

Choose to select source when boot up.

Input: select input source when boot up.

Playlist: select playlist index for Media player, Browser, PDF player.

0: no play list. Same as switch source from OSD.1~7: playlist number: No failover function, system will keep source even the source is no signal input.

Wake on Lan (WOL)

Choose to turn on or off the wake on LAN function. Choose from : {Off} / { On}

Configuration1 reset

Reset all settings in **Configuration1** menu to the factory preset values.

Factory reset

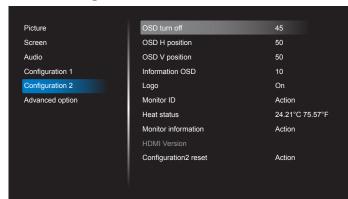
Reset all settings in the OSD menus of {**Picture**}, {**Screen**}, {**Audio**}, {**Configuration1**}, {**Configuration2**}, and {**Advanced option**} to the factory preset values.

Android settings will also reset when factory reset.

Press [-] or [-] button to select {**Reset**}, and press [OK] button to do the reset.



6.2.5. Configuration2 menu



OSD turn off

Set the period of time the OSD (on-screen display) menu stays on the screen.

The options are: {Off, 5 ~ 120} seconds.

*{Off} does not disappear automatically.

OSD H-position

Adjust the horizontal position of the OSD menu.

OSD V-position

Adjust the vertical position of the OSD menu.

Information OSD

Set the period of time the information OSD is displayed on the upper right corner of the screen. The information OSD will display when input signal is changed.

The information OSD will remain on the screen with {Off} selection.

The options are: {1 ~ 60} seconds.

Logo

Choose to enable or disable the picture of Logo when turn on your display.

The options are:

- {Off}
- {On} (Default)
- {User}
- 1. If Logo set to ON, both scalar Philips logo and android animation Philips logo will show.
- 2. If Log set to OFF, neither scalar Philips logo nor android animation logo will not show.

- 3. If Logo set to USER, custom logo option in android is not set, then there will be no boot logo when power on.
- 4. If Logo set to USER, custom logo option in android is set, there will be only custom logo when power up.
- * Logo will NOT rotate with rotation setting/detection.

Monitor ID

Set the ID number for controlling the display via the RS232C connection. Each display must have a unique ID number when multiple sets of this display are connected. Monitor ID number range is between 1 to 255.

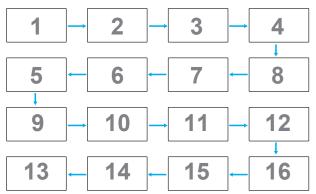
The option are: {Monitor group}

Monitor ID	
Monitor ID	1
Monitor group	1

{Monitor group}

The options are: {**Off**} / {**1-254**}

- {Off} {Monitor group} are not supported.
- {1-254} {Monitor group} are supported.The default setting is 1.



Heat status

This function allows you to check the thermal status at any time.

Monitor information

Shows information about your display, including model number, serial number, operating hours and software version.

Monitor information	
Model name	65BDL3052T
Serial NO.	N/A
Operation hours	0
SW Version	FB01.06

HDMI Version

Set the HDMI version to 1.4 or 2.0, this setting is only valid on HDMI input

Configuration2 reset

Reset all settings in Configuration2 menu to the factory preset values.

6.2.6. Advanced option menu

Screen Power LED Light On Audio Keyboard control Unil Configuration 1 Tiling Act Configuration 2 Off Timer Off Advanced option Date and time Act Schedule Act HDMI with One Wire Off	
Audio Keyboard control Unit Configuration 1 Tiling Act Configuration 2 Off Timer Off Advanced option Date and time Act Schedule Act HDMI with One Wire Off	Unlock
Configuration 1 Tiling Act Configuration 2 Off Timer Off Advanced option Date and time Act Schedule Act HDMI with One Wire Off	On
Configuration 2 Off Timer Off Advanced option Date and time Act Schedule Act HDMI with One Wire Off	Unlock
Advanced option Date and time Act Schedule Act HDMI with One Wire Off	Action
Schedule Act HDMI with One Wire Off	Off
HDMI with One Wire Off	Action
	Action
	Off
Language Eng	English
OSD Transparency Off	Off
Power Save Mo	Mode 1
Advanced option reset Act	Action

IR control

Select the operation mode of the remote control when multiple displays are connected via an RS232C connection.

- {Unlock} All displays can be operated normally by the remote control unit.
- {**Primary**} Designate this display as the primary display for remote control operation. Only this display can be operated by the remote control. (In primary mode, IR key will always be processed regardless the monitor id/group settings).
- {Secondary} Designate this display as the secondary display. This display can not be operated by the remote control, and will only receive the control signal from the primary display via the RS232C connection.
- {Lock All} / {Lock all but Volume} / {Lock all but Power} / {Lock all except PVVR & VOL}- Lock the remote control function of this display. To unlock, press and hold the [i] INFO button on the remote control for 6 (six) seconds.

Power LED light

Choose to set power indicate LED on or off.

Choose **{On}** for normal use.

Keyboard control

Choose to enable or disable the display keyboard (control buttons) function.

- {Unlock} Enable the keyboard function.
- {Lock All} / {Lock all but Volume} / {Lock all but Power} / {Lock all except PWR &VOL} Disable the keyboard function.
- NOTE: "Keyboard Control Lock Mode"This function completely disables the access to all Keyboard Control functions. To enable or disable the keyboard control lock, press both [+] and [] buttons and hold down continuously for more than 3 seconds.

Tiling

With this function you can create a single large-screen matrix (video wall) that consists of up to 150 sets of this display **(up to 10-sets on the vertical and 15-sets on the horizontal sides)**. This function requires a daisy-chain connection.

- Switch on delay: Set the power-on delaying time (in seconds). The default option {Auto} allows a sequential powering-on for each display by their ID number when multiple displays are connected. The options are: {Off (0) / Auto(1) / 2-255}
- Brightness: {Normal}/{ACS}
 - {**Normal**}: Adjust the overall image and background screen brightness (backlight).

- {ACS}: Apply brightness value (backlight) which is adjusted by MIC tool. The default value before adjustment is the same as OSD brightness value, e.g., 70)
- Type: {Off} (Default)/{SWTool}/{OSD Only}
- Source resolution: {Full HD}(Default)/ {4K}
- H monitors Select the number of displays on the horizontal side.
- **V monitors** Select the number of displays on the vertical side.
- **Position** Select the position of this display in the screen matrix.
- Frame comp. Choose to turn the frame compensation function on or off. If selected {Yes}, the display will adjust the image to compensate for the width of the display bezels in order to accurately display the image.
- NOTE: Doesn't support screen format function in tiling using cascade mode.

Off Timer

Set automatically power off time (in hours).

Date and time

Adjust the current date and time for the display's internal clock.

Date and time		
Auto Sync		\checkmark
Set date		
Choose time zone		
London, Dublin		_
GMT+1:00		•
NTP Server	2.android.pool.ntp.org	
Current date time	2017/06/27 13:17:33	

- 1. Press [OK] button to enter or choose
- 2. Press [1] back button to return.
- 3. Press [] or [] button to adjust them.
 - * Cannot set time to date after year 2037.

Schedule

This function allows you to program up to 7 (seven) different scheduled time intervals for the display to activate.

Schedule	
Schedule list	1
Enable	
Start time	
End time	
Input	
Playlist	
Days of the week	
Every week	
Back	SAVE

- Schedule list: You can set 7 schedules.
- **Enable:** Enable/disable schedule. If set start/end time is conflict or empty, input is empty or time conflict with other schedule list, you cannot enable schedule.
- Start time: Set start time.
- End time: Set end time.
- Input: Platform will go to this select source automatically after the schedule on.
- Play list: 1 7 : playback File1 File7 of playlist automatically, only media player, pdf player and browser can set.
- Days of the week: Set Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday.
- Every week: Set lifecycle.
- Back: Does not change schedule data.
- Save: Save schedule data.

HDMI with One Wire

CEC control.

- {Off} Disable CEC.(Default)
- {On} Enable CEC.

Language

Select the language used in the OSD menu.

The options are: English/Deutsch/ 简体中文 /Français/Italiano/Español/ Русский/Polski/Türkçe/ 繁體中文 / 日本語 /Português/ العربية/Danish/ Svenska/Finnish/Norsk/Nederlands.

OSD Transparency

Adjust OSD transparency.

- {Off} Transparency off.
- {1-100} Transparency level 1-100.

Power Save

Mode 1 [TCP off, WOL on, auto off]

Mode 2 [TCP off, WOL on, auto on/off]

Mode 3 [TCP on, WOL off, auto on/off]

Mode 4 [TCP on, WOL off, no auto on/off]

Power save modes

Mode 1: DC off -> Power off. LED: Red.

Power Save -> Power off, LED: Red

Mode 2: DC off -> Power off, LED: Red.

Power Save -> Power Saving. LED: Orange. Can be wake up.

Mode 3: DC off -> Back light off, LED: Red

Power Save -> Back light off, LED: Orange. Can be wake up.

Mode 4: DC off -> Back light off, LED: Red

Power Save -> Will not enter power save mode. show "no signal" only.

	RCU Power Button Off	No Signal	WoL	Android (ARM)
Mode 1 [TCP off, WOL on, auto off]	DC OFF	DC OFF	V	ARM OFF
Mode 2 [TCP off, WOL on, auto on/off] (gary out)	DC OFF	When signal is back, system wake up	V	ARM OFF
Mode 3 [TCP off, WOL off, auto on/off]	Backlight OFF	Backlight OFF	Х	ARM OFF
Mode 4 [TCP off, WOL off, no auto on/off]	Backlight OFF	Backlight ON, show no signal	X	ARM OFF

* This product does not support Mode 2

Following table is the action for Android board with different power mode.

DC off/on: press power button by RC

Power mode in OSD	Mode 1/2	Mode 3/4
DC off		 The current source APK(such as MediaPlayer, Broswer, PDF or SmartCMS) will be closed. Android system will go to the default black launcher.
DC on	Boot up	1. Android system reboots

Advanced option reset

Reset all settings except {**Date and Time**} in the **Advanced option** menu to factory preset values.

- 1. Press [OK] or [►] button to enter the submenu.
- 2. Press [-] or [-] button to select {Reset} and press the [OK] button to restore settings to factory preset values.
- 3. Press the [**S**] button or select {**Cancel**} and press the [**OK**] button to cancel and then return to the previous menu.

7. Supported Media Formats

USB Multimedia Codec Formats

Video Decod	e					
Туре	Video Codec	Container	Decode	Encode	Channel	Remark
MPEG1/2	MPEG1/2	MPEG program stream (.DAT, .VOB, .MPG, .MPEG) MPEG transport stream (.ts) MP4 (.mp4) AVI (.avi) MKV (.mkv)	V			Max Resolution: 1080P@60fps Max Bit Rats : 40Mbps
MPEG-4	MPEG4	MP4 (.mp4) AVI (.avi) MKV (.mkv)	V			Max Resolution: 1080P@60fps Max Bit Rats : 40Mbps
H.263	H.263	FLV (,flv) AVI (,avi)	V			Max Resolution: 1080P@60fps Max Bit Rats : 40Mbps
H.264	H.264	FLV (.flv) MP4 (.mp4) MPEG transport stream (.ts) ASF (.asf) WMV (.wmv) AVI (.avi) MKV (.mkv)	V			Max Resolution: 1080P@60fps Max Bit Rats : 135Mbps 4k2k@30fps
H.265	H.265	MP4 (.mp4) MPEG transport stream (.ts) MKV (.mkv)	V			Max Resolution: 4K2K@60fps Max Bit Rats : 100Mbps
GOOGLE VP8	VP8	MKV (.mkv) WebM (.webm)	V			Max Resolution: 1080P@30fps Max Bit Rats : 20Mbps
Motion JPEG	MJPEG	AVI (.avi) MP4 (.mp4) MKV (.mkv)	V			Max Resolution: 1920*1080 @30fps Max Bit Rats : 40Mbps

Audio Decode

Туре	Audio Codec	Container	Decode	Encode	Channel	Remark
MPEG Audio	G Audio MPEG1/2/2.5 Audio MP3 V)	Bit Rate: 8kbps~320Kbps	
	Layer1/2/3		v		۷.	Sampling Rate: 16KHZ~48KHz
	WMA Version 7, 8,					Bit Rate: 8kbps~768Kbps
Windows Media Audio	9,10 pro M0, 10Pro	Decode:WMA	V		2	Sampling Rate: 8KHZ~96(M10)KHz
	M1,M10 Pro M2					Non-support LBR
AAC Audio	MAIN, ADIF , ATDS Header AAC-LC and	File Format: AAC, M4A	V		51	Bit Rate: N/A Sampling Rate: 8KHZ~48KHz
	AAC-HE					

Image Decode

Туре	Image Codec	Photo	Decode	Encode	Channel	Remark
JPEG	JFIF file format 1.02	File Format: JPG, JPEG	V			Max Resolution: 7000 × 7000 The limitation of max resolution depends on DRAM
BMP	BMP	File Format: BMP	V			Max Resolution: 15360 x 8640 The limitation of max resolution depends on DRAM
PNG	PNG	File Format: PNG	V			Max Resolution: 15360 x 8640 The limitation of max resolution depends on DRAM

NOTES:

• Sound or video may not work if the contents have a standard bit rate/frame rate above the compatible Frame/sec listed in the table above.

• Video content with a Bit rate or Frame rate larger than the rate specified in the table above can cause choppy video during playback.

8. Input Mode

VGA Resolution:

Standard	Active R	Resolution	Refresh Rate	Pixel Rate	Assact Datia	Stand for Mode
Resolution	H Pixels	V Lines	Refresh Rate	Pixel Rate	Aspect Ratio	stand for Prode
			60 Hz	25.175 MHz		
VGA	640	480	72 Hz	31.5 MHz	4:3	Video Graphic Array
			75 Hz	31.5 MHz		
WVGA	720	400	70 Hz	33.75 MHz	16:9	Wide Video Graphic Array
SVGA	800	600	60 Hz	40 MHz	4:3	SuperVGA
JVGA	800	600	75 Hz	49.5 MHz		
XGA	1024	768	60 Hz	65 MHz	4:3	Extended Graphic Array
AGA	1024	/00	75 Hz	78.75 MHz	с.т	
WXGA	1280	768	60 Hz	79.5 MHz	5:3	Wide XGA
WXGA	1280	800	60 Hz	79.5 MHz	16:10	Wide XGA
SXGA	1280	1024	60 Hz	108 MHz	5:4	Super XGA
WXGA	1360	768	60 Hz	85.5 MHz	16:9	Wide XGA
HD1080	1920	1080	60 Hz	148.5 MHz	16:9	HD1080

Note: 1280x768/60Hz can be supported but not shown in EDID table.

SD Resolution:

Standard Resolution	Active Resolution		Refresh Rate	Pixel Rate	Aspect Ratio
Stanuaru Resolution	H Pixels	V Lines	Refresh Rale	FIXEI Nale	Aspect Natio
480i	- 720	480	29.97 Hz	13.5 MHz	4:3
480p			59.94 Hz	27 MHz	
576i	720	576	25 Hz	13.5 MHz	4:3
576р	/ 20		50 Hz	27 MHz	

HD Resolution:

Standard Resolution	Active Re	esolution	Refresh Rate	Pixel Rate	Aspect Ratio
Standard Resolution	H Pixels	V Lines	Refresh Nale	FIXEI Male	
720p	1280	720	50 Hz	74.25 MHz	16:9
720p	1200		60 Hz		
1080i	1920	1080	25 Hz	74.25 MHz	16:9
10001			30 Hz		
1080p	1920	1080	50 Hz	148.5 MHz	16:9
10000	1720	1000	60 Hz		10.2
			30 Hz	297 MHz	
2160p (HDMI only)	3840	2160	50 Hz		16:9
			60 Hz	594 MHz	

Note: OPS/DisplayPort support 3840x2160@30Hz.

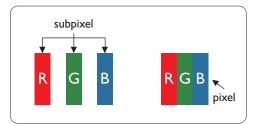
- The PC text quality is optimum in HD 1080 mode (1920 × 1080, 60Hz).
- Your PC display screen might appear different depending on the manufacturer (and your particular version of Windows).
- Check your PC instruction book for information about connecting your PC to a display.
- If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 31.5KHz (horizontal). In some cases, abnormal signals (such as stripes) might appear on the screen when the PC power is turned off (or if the PC is disconnected). If so, press the [INPUT] button to enter the video mode. Also, make sure that the PC is connected.
- When horizontal synchronous signals seem irregular in RGB mode, check PC power saving mode or cable connections.
- The display settings table complies to the IBM/VESA standards, and based on the analog input.
- The DVI support mode is regarded as same to the PC support mode.
- The best timing for the vertical frequency to each mode is 60Hz.
- Resolution 3840x2160 50/60Hz must be equipped with HDMI certified cable(Premium High Speed HDMI Cables).

9. Pixel Defect Policy

We strive to deliver the highest quality products and use some of the industry's most advanced manufacturing processes whilst practicing stringent quality control. However, pixel or sub-pixel defects on the PDP / TFT panels used in Plasma- & LCD- displays are sometimes unavoidable. No manufacturer can guarantee that all panels will be free from pixel defects, but Philips guarantees that any Plasma- & LCD- displays with an unacceptable number of defects will be repaired during the warranty period in line with your local guarantee conditions.

This notice explains the different types of pixel defects and defines the acceptable defect level for the LCD screen. In order to qualify for repair under warranty, the number of pixel defects must exceed a certain level as shown in the reference table. If the LCD screen is within specification a warranty exchange / claim back will be refused. Additionally, because some types or combinations of pixel defects are more noticeable than others, Philips sets even higher quality standards for those.

9.1. Pixels and Sub-Pixels



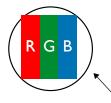
A pixel, or picture element, is composed of three sub-pixels in the primary colors of red, green and blue. Many pixels together form an image. When all sub-pixels of a pixel are lit, the three colored sub-pixels together appear as a single white pixel. When all are dark, the three colored sub-pixels together appear as a single black pixel. Other combinations of lit and dark sub-pixels appear as single pixels of other colors.

9.2. Types of Pixel Defects + Dot Definition

Pixel and sub-pixel defects appear on the screen in different ways. There are three categories of pixel defects and several types of sub-pixel defects within each category.

Dot definition = What is a defective "Dot"? :

One or more defective, adjacent sub-pixel are defined as one "dot". The no. of defective sub-pixels are not relevant to define a defective dot. This means that a defective dot can consist of one, two or three defective sub-pixels which can be dark or lit.



One dot = One Pixel; consists of three sub-pixels of Red, Green, and Blue.

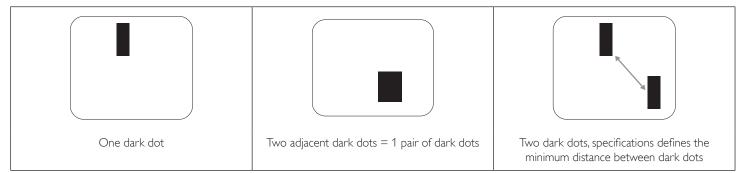
9.3. Bright Dot Defects

Bright dot defects appear as pixels or sub-pixels that are always lit or "on". These are the examples of bright dot defects:



9.4. Dark Dot Defects

Black dot defects appear as pixels or sub-pixels that are always dark or "off". These are the examples of black dot defects:



9.5. Proximity of Pixel Defects

Because pixel and sub-pixels defects of the same type that are nearby one another may be more noticeable, Philips also specifies tolerances for the proximity of pixel defects. In the table below you can find specifications about:

- Allowed amount of adjacent dark dots = (adjacent dark dots =1 pair of dark dots)
- Minimum distance between dark dots
- Total no. of all defective dots

9.6. Pixel Defect Tolerances

In order to qualify for repair due to pixel defects during the warranty period, a PDP / TFT panel in a Philips Plasma / LCD- display must have pixel or subpixel defects exceeding the tolerances listed in the following table.

BRIGHT DOT EFFECT	ACCEPTABLE LEVEL
1 lit sub pixel	2
BLACK DOT EFFECT	ACCEPTABLE LEVEL
1 dark sub pixel	10
TOTAL DOT DEFECTS OF ALL TYPES	12

NOTE: * 1 or 2 adjacent sub pixel defects = 1 dot defect

9.7. MURA

Dark spots or patches may occasionally appear on some liquid crystal display (LCD) panels. This is known within the industry as Mura, which is a Japanese term for "unevenness." It is used to describe an irregular pattern or area in which uneven screen uniformity appears under certain conditions. Mura is a result of the deterioration of the liquid crystal alignment layer and is most commonly caused by long-term operation under high ambient temperatures. It is an industry- wide phenomenon and Mura is not repairable. It is also not covered by our warranty terms.

Mura has been around since the introduction of LCD technology and with screens getting bigger and in operation 24/7, many displays are running in low light conditions. This all adds to the possibility of Mura affecting displays.

HOW TO SPOT MURA

There are many symptoms of Mura and also multiple causes. Several of these are listed below:

- Impurities or foreign particles in the crystal matrix
- Uneven distribution of LCD matrix during manufacturing
- Non-uniform luminance distribution of the backlight
- Panel assembly induced stress
- Flaws within the LCD cells
- Thermal induced stress high temperature operation over long periods of time

HOW TO AVOID MURA

Although we can not guarantee the complete eradication of Mura every time, in general the appearance of Mura can be minimized by these methods:

- Lower the backlight brightness
- Use a screen saver
- Reduce the ambient temperature around the unit

10. Cleaning and Troubleshooting

10.1. Cleaning

Caution When Using the Display

- Do not bring your hands, face or objects close to the ventilation holes of the display. The top of the display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damage to the object as well as the display itself.
- Be sure to disconnect all cables before moving the display. Moving the display with its cables attached may damage the cables and thus cause fire or electric shock.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

- The front of the display has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface becomes dirty, soak a soft, lint-free cloth in a mild detergent solution. Wring the cloth to remove excess liquid. Wipe the surface of the display to remove dirt. Then use a dry cloth of the same type to dry.
- Do not scratch or hit the surface of the panel with fingers or hard objects of any kind.
- Do not use volatile substances such as insert sprays, solvents and thinners.

Cabinet Cleaning Instructions

- If the cabinet becomes dirty, wipe the cabinet with a soft, dry cloth.
- If the cabinet is extremely dirty, soak a lint-free cloth in a mild detergent solution. Wring the cloth to remove as much moisture as possible. Wipe the cabinet. Use another dry cloth to wipe over until the surface is dry.
- Do not allow any water or detergent to come into contact with the surface of the display. If water or moisture gets inside the unit, operating problems, electrical and shock hazards may result.
- Do not scratch or hit the cabinet with fingers or hard objects of any kind.
- Do not use volatile substances such as insert sprays, solvents and thinners on the cabinet.
- Do not place anything made from rubber or PVC near the cabinet for any extended periods of time.

10.2. Troubleshooting

Symptom	Possible Cause	Remedy
No picture is displayed	 The power cord is disconnected. The main power switch on the back of the display is not switched on. The selected input has no connection. The display is in standby mode. 	 Plug in the power cord. Make sure the power switch is switched on. Connect a signal connection to the display.
Interference displayed on the display or audible noise is heard	Caused by surrounding electrical appliances or fluorescent lights.	Move the display to another location to see is the interference is reduced.
Color is abnormal	The signal cable is not connected properly.	Make sure that the signal cable is attached firmly to the back of the display.
Picture is distorted with abnormal patterns	 The signal cable is not connected properly. The input signal is beyond the capabilities of the display. 	 Make sure that the signal cable is attached firmly. Check the video signal source to see if it is beyond the range of the display. Please verify its specifications with this display's specification section.
Display image doesn't fill up the full size of the screen	 The zoom mode is not set correctly. Scan Mode may be set incorrectly to underscan. If the image exceeds the screen size, Scan Mode may need to be set to Underscan. 	Use the Zoom mode or Custom zoom function in the Screen menu to fine tune display geometry and time frequency parameter:
Can hear sound, but no picture	Improperly connected source signal cable.	Make sure that both video inputs and sound inputs are correctly connected.
Can see picture but no sound is heard	 Improperly connected source signal cable. Volume is turned all the way down. {Mute} is turned on. No external speaker connected. 	 Make sure that both video inputs and sound inputs are correctly connected. Press [+] or [-] button to hear sound. Switch MUTE off by using the [I] button. Connect external speakers and adjust the volume to a suitable level.
Some picture elements do not light up	Some pixels of the display may not turn on.	This display is manufactured using an extremely high level of precision technology: however, sometimes some pixels of the display may not display.This is not a malfunction.
After-Images can still be seen on the display after the display is powered off. (Examples of still pictures include logos, video games, computer images, and images displayed in 4:3 normal mode)	A still picture is displayed for an over extended period of time	Do not allow a still image to be displayed for an extended period of time as this can cause a permanent after-image to remain on the display.

How to setup the settings in the menu to control all the monitors at the same time and individually via RC?	Daisy chained by RS232 and no IR cable	1. The first display sets as "Primary" on OSD (Advanced option/IR control item), others set as "Secondary".
		2. The setup OSD will show on Top-Left of display. (Toggle MENU will show again if it disappear)
		3. Default setting: ID NO: 0, GP NO: 0, this setting can control all displays by IR.
		The ''+'', ''-'' can change ''ID NO'' to control signal display by ''Monitor ID''.
		The ''UP'', ''DOWN'' can change ''GP NO'' to control multi-display by ''Group ID''.
		*The first display always be controlled by IR.
How is the RC working?	Daisy chain : no RS232 connected and IR cable	No need setting, just to connect with IR cables and control by IR. *This way has out-of-synchronizm phenomenon. Suggest to use above setting with RS-232 cable.

11. Technical Specifications

Display:

Item	Specifications
Screen Size (Active Area)	163.9 cm / 64.5 inches
Aspect Ratio	16:9
Number of pixels	3840 (H) × 2160 (V)
Pixel pitch	0.372 (H) × 0.372 (V) [mm]
Displayable colors	10 bits(D), 1.07 Billion colors
Brightness (typical)	350 cd/m ²
Contrast ratio (typical)	4000:1
Viewing angle	178 degrees

In/Out Terminals:

Item		Specifications			
Speaker Output Internal Speakers		$10W (L) + 10W (R) [RMS]/8\Omega$			
		82 dB/W/M/160 Hz ~ 13 KHz			
Audio Output	RCA R/L × 1	0.5V [rms] (Normal) / 2 Channel (L+R)			
Audio Input	3.5mm phone jack × 1	0.5V [rms] (Normal) / 2 Channel (L+R)			
RS232C	2.5mm Phone jack x 2	RS232C in/RS232C out			
RJ-45	RJ-45 Jack x 1 (8 pin)	10/100 LAN Port			
HDMI Input	HDMI Jack x 4	Digital RGB:TMDS (Video + Audio)			
	(Type A) (19 pin)	MAX: Video - 720p, 1080p, 3840 × 2160/60 Hz Audio - 48 KHz/ 2 Channel (L+R)			
		Supports LPCM only			
VGA Input	D-SUB jack (15pin)	Digital RGB:TMDS (Video)			
		Analog RGB: 0.7V [p-p] (75Ω), H/CS/V:TTL (2.2kΩ),			
		MAX: 1920 × 1080/60 Hz (WUXGA)			
Displayport in	Displayport Jack x 1	Digital RGB:TMDS (Video + Audio)			
	(20 pin)	MAX: Video - 720p, 1080p, 3840 × 2160/30 Hz Audio - 48 KHz / 2 Channel (L+R)			
		Supports LPCM only			
OPS Input	Plug connector (80 pin)	TMDS 3840x2160@30Hz			
USB Input	USB2.0 TypeA x2	USB2.0			
	USB3.0 TypeA ×1	USB3.0			
USB Output	USB2.0 TypeA x1	5V/2A			

General:

Item	Specifications
Power Input	100 - 240V~, 50 - 60Hz, 5.5A
Power Output	100 - 240V~, 50 - 60Hz, 2.5A
Power Consumption (Max)	295 W
Power Consumption (typ.)	165 W
Power Consumption (Standby & Off)	<0.5 W
Dimensions (Without Stand) $[W \times H \times D]$	1475.4 × 850.4 × 101.0 mm
Weight (Without Stand)	40.58 Kg
Gross Weight (Without Stand)	50.0 Kg

Product Fiche :

Item	Specifications
Energy Efficiency Class	В
Visible Screen Size	163.9 cm / 64.5 inches
On Mode Power Consumption (W)	186 W
Annual Energy Consumption (kWh)	272 kWh
Standby Power Consumption (W)	0.50 W
Off Mode Power Consumption (W)	0.50 W
Display Resolution (Pixels)	3840 × 2160
Network Standby (W)	2W

Environmental Condition:

ltem		Specifications
Temperature	Operational	0 ~ 40°C
	Storage	-20 ~ 60°C
Humidity	Operational	20 ~ 80% RH (No condensation)
	Storage	$5 \sim 95\%$ RH (No condensation)
Altitude	Operational	0 ~ 3,000 m
	Storage / Shipment	0 ~ 9,000 m



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