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PicoPix

PPX1230

EN **User Manual**

PHILIPS

Overview

Dear Customer

Thank you for purchasing our Pocket Projector.

We hope you enjoy your device and its many functions!

Packing Contents

Pocket Projector

Power supply with exchangeable plugs

Audio / video cable

Tripod

Pouch

Quick Start Guide

Warranty Card

Notice

Missing Package Contents

If any of the parts are missing or damaged, please contact your retailer or our customer service.

About this User Manual

With the installation guide on the following pages, you can start using your device quickly and easily. Detailed descriptions can be found in the following sections of this user manual.

Read the entire user manual carefully. Follow all safety instructions in order to ensure proper operation of your device. The manufacturer accepts no liability if these instructions are not followed.

Symbols Used

Notice

Troubleshooting

This symbol designates tips that will help you to use your device more effectively and easily.

CAUTION!
Damage to the Device or Loss of Data! This symbol gives warning of damage to the device and possible loss of data. These damages can result from improper handling.

DANGER!
Danger to Persons! This symbol gives warning of danger to persons. Physical injury or damage can result from improper handling.

Table of Contents

1 General Safety Information

Do not make any changes or settings that are not described in this user manual. Physical injury or damage to the device or loss of data can result from improper handling. Take note of all warning and safety notes indicated.

Setting Up the Device

The device is exclusively for indoor use. The device should be placed securely on a stable, flat surface. Position all cables in such a way that no one will stumble on them, thus avoiding possible injuries to persons or damage to the device itself.

Do not plug in the device in moist rooms. Never touch the mains cable or the mains connection with wet hands.

The device must have sufficient ventilation and may not be covered. Do not put your device in closed cabinets or boxes.

Do not place the machine on soft surfaces such as tablecloths or carpets and do not cover the ventilation slits. Otherwise the device could overheat or catch fire.

Protect the device against direct sunlight, heat, large temperature fluctuations and moisture. Do not place the device in the vicinity of heaters or air conditioners. Observe the information on temperature and humidity in the technical data.

Do not allow liquids to enter into the device. Switch off the device and disconnect it from the mains supply if liquids or foreign substances end up inside the device. Have the unit inspected by a technical service department.

Always handle the unit with care. Avoid touching the lens. Never place heavy or sharp objects on the projector or the power cable.

If the projector gets too hot or emits smoke, shut it down immediately and unplug the power cable. Have your device examined by trained professionals at a technical service location. To prevent the spread of fire, open flames should be kept away from the device.

Under the following conditions, a layer of moisture can appear inside the device which can lead to malfunctions:
· if the device is moved from a cold to a warm area;
· after a cold room is heated;
· when this device is placed in a damp room.

Proceed as follows to avoid any moisture build-up:

1 Seal this device in a plastic bag before moving it to another room, in order for it to adapt to room conditions.

2 Wait one to two hours before you take the device out of the plastic bag.

The device should not be used in a very dusty environment. Dust particles and other foreign objects may damage the unit.

Do not expose the device to extreme vibrations. It may damage the internal components.

Do not allow children to handle the device without supervision. The packing materials should be kept out of the hands of children.

Repairs

Do not make any repairs to the device yourself. Improper maintenance can result in injuries or damage to the device. Only have your device repaired by an authorised service centre.

Do not remove the type label from your device; this would void the warranty.

Power Supply

Use only the enclosed power adapter (see chapter Appendix / Technical Data). Check whether the mains voltage of the power supply matches the mains voltage available at the setup location. This equipment complies with the voltage type specified on the unit.

The capacity of the battery diminishes with time. If the device functions only with the power supply, the battery is defective. Contact an authorised service centre to replace the battery.

Do not try to replace the battery yourself. Incorrect handling of the battery or using the wrong type of battery can cause damage to the device or cause injury.

Switch the device on or off using the power switch before removing the power supply from the socket.

Turn off the device and remove it from the power supply before cleaning the surface. Use a soft, lint-free cloth. Never use liquid, gaseous or easily flammable cleansers (sprays, abrasives, polishes, alcohol). Do not allow any moisture to reach the interior of the device.

DANGER!
High Power LED
This device is equipped with an high power LED (Light Emitting Diode), which emits very bright light. Do not stare directly into the projector lens to avoid eye irritation or injury.

2 Overview

Top of the Device

❶ ◀/▶, ▲/▼, OK—Navigation keys / OK key - Navigate the menu, modify settings / Confirm entry

❷—Focus wheel for image sharpness. Please pay attention to the distance from the projection surface. Minimum 0,2m maximum 3m. If the Pocket Projector is located outside of this range, it will not be possible to focus the image. Turn the focus wheel carefully so as to avoid damaging the lens.

❸ ⏏—One menu step back / cancelling a function

❹ **ON / OFF**—On/Off switch

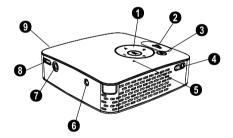❺—Battery status monitor: Red: battery empty, Green: battery fully charged
Charge indicator with connected power supply: Red: battery empty, Green: battery fully charged

❻ **DC IN**—Power supply connection

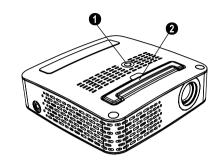❼ **A/V**—Audio/video input jack (composite / CVBS) – Connection of a playback device with audio/video output

❽ **VGA / YPbPr**—Component input (YUV/YPbPr) / VGA input – Connection of a playback device with component (YUV/YPbPr) output or a computer (VGA audio) for image playback

❾ ∩—Audio output – headphone connection or connection for external speakers

Bottom of the Device

❶ Tripod socket
❷ Fold-out base

3 Initial Operation

Connect power supply / charge battery

<table>
<tr><td colspan="2" align="center">CAUTION!</td></tr>
<tr><td>!</td><td>**Mains Voltage at the Site of Installation!** Check whether the mains voltage of the power supply matches the mains voltage available at the setup location.</td></tr>
</table>

1 Insert the small plug of the power supply into the socket on the rear side of your device.

2 Plug the power supply into the mains.

3 During the charging process, the indicator light on the top of the device will be red. When the battery is fully charged, it will turn green.

4 Charge the built-in battery before using for the first time for at least 3 hours. This will prolong, the life of the battery.

Initial Installation

1 Switch the device on using the on/off switch on the side.

2 Turn the device towards an appropriate projection surface or wall at a distance of at least 0,2m and at most 3m. Make sure the projector is in a secure position.

3 Use the focus wheel on the top to adjust the image sharpness.

4 Select the desired menu language using (▲)/(▼).

5 Confirm with (OK).

Notice

ⓘ **The language selection does not appear**

The device has already been installed. In order to change the menu language, proceed as follows:

1 Press (OK).

2 Select using (▲)/(▼) *Language.*

3 Confirm using (OK).

4 Select the desired language with (▲)/(▼).

5 Confirm with (OK).

6 You can exit with (⏏).

4 Connect to the playback device

Only use the supplied cable or cables that are available as accessories to connect the projector.
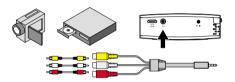
Supplied Cables
Video-(CVBS) cable

Cables available as Accessories
Component Video Cable YUV /YPbPr
....(PPA 1110 / 253372492)
VGA-Audiocable ....(PPA 1150 / 253372489)
iPod / iPhone Cable ....(PPA 1160 / 253372471)

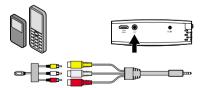## Connecting using Video (CVBS) Cable

Use the projector's audio/video cable (AV cable) to connect camcorders, DVD players or digital cameras. The jacks for these devices are yellow (video), red (audio right) and white (audio left).

1   Connect the supplied AV cable to the **A/V** socket of the projector.
2   Connect the video device's audio/video jacks to the AV cable using a conventional composite video (RCA) cable.

Connecting to mobile multimedia devices

Some video devices (e.g.: pocket multimedia players, ...) require specific connection cables. There are either supplied with the device or acquired from the manufacturer of the multimedia device. Please note that only the original cables from the device manufacturer may function.
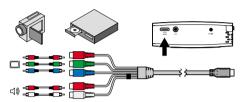

Notice

ℹ️ **Switching to the multimedia device signal output**

See the multimedia device instruction manual to find out how to switch the signal output to this jack.

Connecting using Component-Video (YPbPr/ YUV) Cable

Please use this type of connection to get the highest possible quality of image. This cable is available as an accessory. The device jacks have the colours green (Y), blue (U/Pb), red (V/Pr) for the video signal and red (audio right) and white (audio left) for the audio signal.

1   Connect the video component cable (accessory) to the **VGA / YPbPr** socket of the projector.
2   Connect the video device's appropriate colored sockets to the component video cable of the projector using a conventional component video (RCA) cable.

Notice

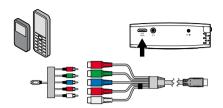ℹ️ **Two red phono (RCA) connectors**

When connecting, note that there are two red phono (RCA) connectors on the cable. One is for the right audio signal and the other for the V/Pr element of the component video signal. If these two connectors are inserted incorrectly, the projected image appears green and the audio signal for the right speaker will not work.

Connecting to mobile multimedia devices

Some video devices (e.g.: pocket multimedia players, ...) require specific connection cables. There are either supplied with the device or acquired from the manufacturer of the multimedia device. Please note that only the original cables from the device manufacturer may function.
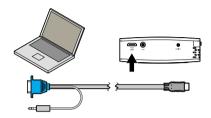

Notice

Switching to the multimedia device signal output

See the multimedia device instruction manual to find out how to switch the signal output to this jack.

Connecting to a Computer (VGA)

Use the VGA audio cable (accessory) to connect the projector to a computer, laptop or some PDAs. The projector supports the following resolutions: VGA/SVGA/XGA . For best results, set the computer's resolution to SVGA (800x600).

1 Connect the VGA audio cable to the **VGA / YPbPr** socket of the projector.
2 Connect the VGA plug to the computer's VGA socket and the audio plug to the computer's audio output.
3 Adjust the computer's resolution to the correct setting and switch the VGA signal to an external monitor.
4 The following resolutions are supported:

	Resolution	Image refresh rate
VGA	640 x 480	60 Hz
SVGA	800 x 600	60 Hz
XGA	1024 x 768	60 Hz

5 Video playback

1 Connect the audio/video output of the external device to the **A/V** or **VGA / YPbPr** socket of the Pocket Projector. Use the corresponding cable and cable adapter for this purpose.

Notice

Both jacks occupied

If both sockets on the Pocket Projector are occupied, only the signal from the **A/V** socket will be played. In order to play the signal from the **VGA / YPbPr** socket, you have to remove the cable from the **A/V** socket.

2 To find out how to deactivate the video output for the external device, please see the relevant instruction manual. Most often, this option is labeled "TV out" or "TV Output" in the corresponding menu.

3 Start the video playback on the external device.

4 Modify the volume with ◀ / ▶.

Modify settings during playback

1 Press the ▲ or ▼ key.

2 Use the ▲/▼ keys to choose from the following settings:
Brightness: Adjust brightness
Contrast: Adjust contrast
Saturation: Adjust colour saturation
Smart Settings: Select predefined settings for brightness / contrast / colour saturation
Volume: Adjust volume level

3 Modify the setting using ◀/▶.

The device saves the modified settings automatically.

6 Settings

1 Press the button ⒪ⓚ.

2 Use ▲/▼ to choose from the following settings.

3 Confirm with ⒪ⓚ.

4 Modify the settings with ◀/▶. The ⏎ key takes you one step back in the menu.

Language

Select the desired language for the menu.

Image Settings

Smart Settings – Select predefined settings for brightness / contrast / colour saturation

Brightness—Adjust brightness

Contrast— Adjust contrast

Saturation—Adjust colour saturation

Sound Settings

Volume—Adjust volume level

Bass—Set the playback of the low frequencies

Treble—Set the playback of the high frequencies

Power Save

This function reduces the light output in order to increase the operating time for the built-in battery. When operating from the power supply, Power Save is always deactivated in order to ensure the best possible image display.

Information

Display information of the device

Reset settings

Reset settings to factory defaults.

7 Service

Care Instructions for the Battery

The capacity of the battery diminishes with time. You can prolong the life of the battery if you observe the following points:

Use the device at least once a week.

Charge the battery regularly. Don't store the device with a completely discharged battery.

If the device is not used for several weeks, discharge the battery a little by using the device before storing it.

If the device only works using the USB connection or with the power supply, the battery is defective.

Keep the device and the battery away from heat sources.

DANGER!

⚠ **Do not replace the battery yourself**

Do not try to replace the battery yourself. Incorrect handling of the battery or using the wrong type of battery can cause damage to the device or cause injury.

Cleaning

DANGER!

⚠ **Switching off the device!**

Switch the device on or off using the power switch before removing the power supply from the socket.

DANGER!

⚠ **Instructions for Cleaning!**

Use a soft, lint-free cloth. Never use liquid or easily flammable cleansers (sprays, abrasives, polishes, alcohol, etc.). Do not allow any moisture to reach the interior of the device. Do not spray the device with any cleaning fluids.

Wipe over the surfaces gently. Be careful that you do not scratch the surfaces.

Cleaning the Lens

Use a brush or lens cleaning paper for cleaning the lens of the projector.

DANGER!

⚠ **Do not use any liquid cleaning agents**

Do not use any liquid cleaning agents for cleaning the lens, to avoid damaging the coating film on the lens.

Troubleshooting

Power Cycling

If a problem occurs that cannot be corrected with the instructions in this user manual (see also the help below), follow the steps given here.

1 Switch the device off using the on/off switch on the side.

2 Wait at least ten seconds.

3 Switch the device on using the on/off switch on the side.

4 If the problem repeats, please contact our technical customer service or your retailer.

Problems	Solutions
The Pocket Projector cannot be switched on	• Connect the supplied power supply to recharge the internal battery.
No sound	• Adjust the volume using the ◀ / ▶.
No sound from the external connected device	• Check the cables to the external device • Set the volume on the external device • Only the original cables from the device manufacturer may function
Bad sound quality with your computer connection	• Check if the audio cable is connected to the computers headphone socket or the line-out socket. • The volume setting on the computer should not be too high.
Only the initial screen appears and not the image from the external device	• Check if the cables are connected to the right sockets. • Please check that the external device is switched on • Check if the video output of the external device is switched on.
Only the initial screen appears and not the image from the connected computer	• Please check that the VGA-output of the computer is switched on. • Check if the resolution of the computer is set to 800x600.

8 Appendix

Technical Data

Dimensions (L × H × W) .... 100 × 32 × 100 mm
Weight .... 0,28 kg
Recommended Ambient .... 5 – 40 °C
Relative Humidity .... 20 – 80 % (non-condensing)
Video Standard (CVBS) .... PAL, SECAM, NTSC
Video Standard (YPbPr) 480i/p, 576i/p, 720p, 1080i
Headphone connection .... Stereo - jack plug: 3,5 mm
Audio Output .... 2 × 0,3 W

Technology / Optical

Display technology .... 0,37" LCoS
Light source .... RGB LED
Resolution .... 800 × 600 pixel
Supported Resolutions .... VGA/SVGA/XGA
Brightness (Bright Mode) .... up to 30 lumen
Contrast ratio 400:1
Projected image size .... 5,2 – 81 inch
Screen distance .... 0,2 m up to 3 m
Horizontal Scan Rate .... 31 – 69 kHz
Vertical Scan Rate .... 56 – 85 Hz

Power supply

Manufacturer .... Wanlida Group Co., Ltd.
Model No. MPA-630
Input .... 100 – 240 V ~ / 50 / 60 Hz
Output .... 12 V ⎓ / 2 A

Built-in rechargeable battery

Battery type .... LiPol
Charging time .... 3 h
Operating time .... 2,5 h
Operating time (Power Save switched on) .... 3 h

Accessories

Following accessories are available for your device:
YUV /YPbPr Adaptercable .... PPA 1110 / 253372492
VGA-Audiocable .... PPA 1150 / 253372489
iPod / iPhone Cable .... PPA 1160 / 253372471

All data are provided for reference purposes only. **Sagemcom** reserves the right to make any changes without prior notice.

CE

The CE marking certifies that the product meets the main requirements of the European Parliament and Council directive 1999/5/CE on telecommunications terminal equipment, regarding safety and health of users and regarding electromagnetic interference.

The declaration of compliance can be consulted on the site www.sagem-ca.at/doc

Preservation of the environment as part of a sustainable development logic is an essential concern of Sagemcom. The desire of Sagemcom is to operate systems observing the environment. The desire of Sagemcom is to operate systems observing the environment and consequently it has decided to integrate environmental performances in the life cycle of this products, from manufacturing to commissioning use and elimination.

Packaging: The presence of the logo (green dot) means that a contribution is paid to an approved national organisation to improve package recovery and recycling infrastructures to facilitate. Please respect the sorting rules set up locally for this kind of waste.

Batteries: If your product contains batteries, they must be disposed of at appropriate collection points.

Product: The crossed-out waste bin stuck on the product means that the product belongs to the family of electrical and electronic equipment. In this respect, the European regulations ask you to dispose of it selectively;

• At sales points in the event of the purchase of similar equipment.

• At the collection points made available to you locally(drop-off centre, selective collection, etc.).

In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health.

The paper and cardboard packaging used can be disposed of as recyclable paper. Have the plastic wrapping and Styrofoam packaging recycled or dispose of it in the non-recyclable waste, depending on the requirements in your country.

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