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PicoPix

PPX 4350



EN User Manual

PHILIPS

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Dear Customer

Thank you for purchasing our Pocket Projector.
We hope you enjoy your device and its many functions!

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. This damage 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.

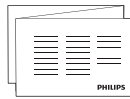
What's in the Box

- 1 – PicoPix Projector
- 2 – Quick Start Guide

1



2



Product Highlights

Connecting to devices with HDMI output

With the HDMI to mini HDMI cable you can connect the projector to a computer or laptop (see also [Connect to the Playback Device, page 10](#)).

WiFiDisplay (Miracast)

With the Miracast™ solution you can display video between Wi-Fi devices, without cables or a network connection. You can do things like view pictures or videos from a smartphone (Android 4 and more) or laptop (Windows 8.1) on your pocket projector.

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 unit is for indoor use only. 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.

When the device is running for a long period of time, the surface becomes hot and a warning symbol appears on the projection. The device switches automatically to stand-by mode when it gets too hot. After the device has cooled down, you can continue playback by pressing any key.

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. Arrange for your device to be investigated by a technical service centre. 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.

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.

DANGER!



Risk of explosion with incorrect type of batteries

Do not try to replace the battery yourself.

There is a risk of explosion if the incorrect battery type is used.

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 look directly into the projector lens. This could cause eye irritation or damage.

DANGER!



Danger of hearing damage

Do not use the device over a longer time at high volume – especially when using headphones. This could lead to the risks of hearing damage.

Repairs

Do not repair the device yourself. Improper maintenance can result in injuries or damage to the device. Your device must be repaired by an authorised service centre.

Find details of authorised service centres on the warranty card.

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

2 Overview

Top of the Device

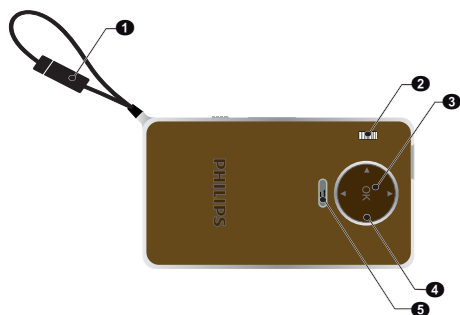
- ❶ – USB cable
USB connection for a computer / port for power supply
USB connection for a USB storage medium
- ❷ – Focus wheel for image sharpness.

Notice



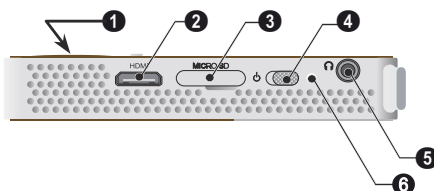
Note that the distance to the projection surface must be a minimum of 0.3 meters and a maximum of 2.1 meters. If the Pocket Projector is located outside of this range, it will not be possible to focus the image. Turn the focus wheel carefully so as to avoid damaging the lens.

- ❸ – **OK** key
OK – Confirm entry / start, stop video/music playback or slideshow.
- ❹ – Navigation keys
▲/▼ – Navigating / during music playback select previous, next title when image display is switched off / during video/picture playback wake Quick setting bar.
◀/▶ – Navigating / during music playback: adjust volume level / during video playback start forward or backward / during picture playback select previous, next picture
- ❺ – ⏪ ⏩ keys
⏪ ⏩ – One menu step back, one directory level back / cancelling a function



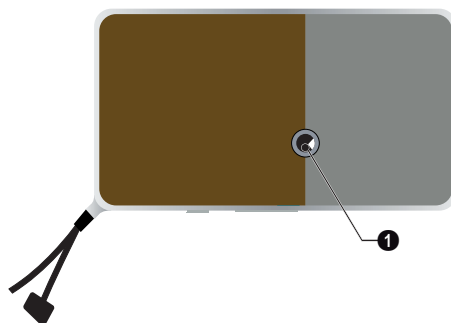
Side View

- ❶ – Loudspeaker (on the other side)
- ❷ – **HDMI** – HDMI port for a playback device (with adapter cable)
- ❸ – **MICRO SD** – Memory card slot (Micro SD/SDHC/SDXC)
- ❹ – ⏻ – On/Off switch
- ❺ – 🎧 – Audio output – headphone connection or connection for external speakers
- ❻ – Battery status monitor
Charge indicator with connected power supply:
Red: Charging battery
Green: battery is fully charged



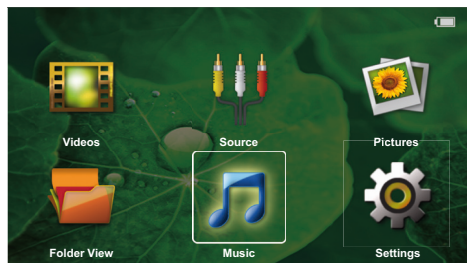
Bottom of the Device

- ❶ – Tripod socket



Overview of the Menu Functions

- 1 After switching on the device the main menu appears.
- 2 Select the desired menu using the navigation keys (▲/▼, ◀/▶).
- 3 Confirm with **OK**.
- 4 By pressing the (↶) key you will return to the main menu.



Source – Switch to the external video input **HDMI** or select WiFi (if WiFi dongle connected)

Videos – Selecting files for video playback

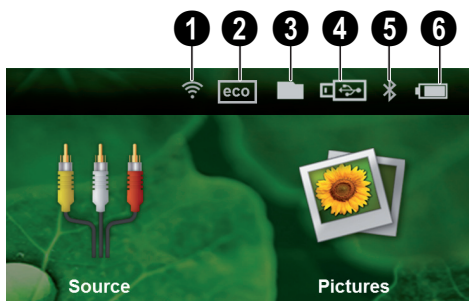
Pictures – Selecting files for the slideshow

Music – Selecting music files for playback

Settings – Access + and configure settings the Pocket Projector

Folder View – Selecting files for Playback. Copy or Delete Files (Mark the files with (▶) and confirm using (OK)).

Symbols in the Statusbar



① – WLAN status display

② – Mode ECO

③ – Folder

④ – USB storage medium

⑤ – Bluetooth

⑥ – Charge level of the internal battery. The icon will be red, when the battery needs to be recharged.

3 Initial Operation

Setting up the Device

A tripod accessory is available if you can to elevate the device.

Connect Power Supply / Charge Battery

CAUTION!



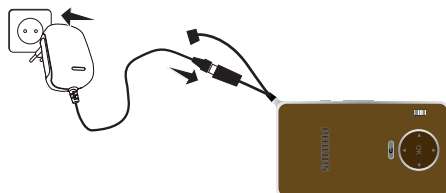
Mains Voltage at the Site of Installation!

Check whether the mains voltage of the power supply matches the mains voltage available at the setup location.

- 1 Connect the USB plug to a computer, to charge the battery.

Alternatively you may connect the USB plug to the power adapter (not included), we recommend using the accessory PPA6200. Charge time is faster for to charge the battery (**XX hour/minutes**).

AC 100~240V



Initial Installation

- 1 Switch the device on using the on/off switch on the side.
- 2 Turn the device towards a suitable projection surface or wall. Note that the distance to the projection surface must be a minimum of 0.3 meters and a maximum of 2.1 meters. 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 .

Notice



The Main Menu Appears Instead of the Language Selection

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

- 1 Use the navigation keys to select **Settings**.
- 2 Confirm with .
- 3 Select with / **Language**.
- 4 Confirm with .
- 5 Select the desired language with /.
- 6 Confirm with .
- 7 Exit with .

4 + functions

Functions are available for you to use your projector as a pocket flashlight, emitting a flash or a SOS bright.

CAUTION!



These functions use a lot of energy, make sure your battery is charged before using them.

The SOS light can not be seen as an emergency beacon.

Flashlight

Allows to use the Pocket Projector as a flashlight.



- 1 Switch the device on using the on/off on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Settings**.
- 4 Confirm with .
- 5 Use the navigation keys to select **Flashlight**.
- 6 Confirm with .
- 7 The flashlight is activated.
- 8 For stop, press .

or

- 1 Switch the device on using the on/off on the side.
- 2 After the initial screen the main menu appears.
- 3 Press  during two seconds
- 4 The flashlight is activated
- 5 For stop, press .

SOS light

Your Pocket Projector is equipped with an SOS light function. The flashes are issued according to the rule Morse 3 short, 3 long, 3 short. Your equipment can not be considered a rescue beacon approved.



- 1 Switch the device on using the on/off on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Settings**.
- 4 Confirm with .
- 5 Use the navigation keys to select **SOS**.
- 6 Confirm with .
- 7 The flashlight is activated.
- 8 For stop, press .

Warning light

Your Pocket Projector can emit a flash of red or orange. This flash can be seen more than 50 meters.



- 1 Switch the device on using the on/off on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Settings**.
- 4 Confirm with .
- 5 Use the navigation keys to select **Warning light**.
- 6 Confirm with .
- 7 The flashlight is activated.
- 8 For stop, press .

5 Connect to the Playback Device

Only use the supplied cable or cables that are available as accessories to connect the projector.

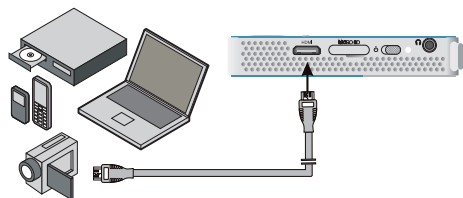
Cables available as accessories

Mini Display port cable (PPA1270 / 253xxxxxx)

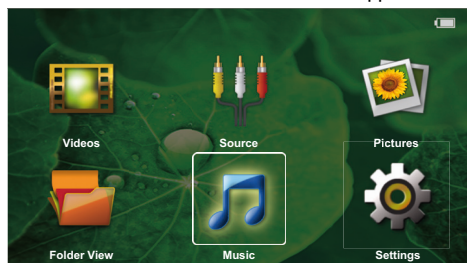
MHL cable (PPA1240 / 253520048)

Connecting to Devices with HDMI Output

Use the HDMI to mini HDMI cable to connect the projector to a computer or laptop.



- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.



- 3 Connect the HDMI cable to the projector's HDMI socket.
- 4 Connect the cable to the mini-HDMI socket of the playback device.
- 5 Use the navigation keys to select **Source**.
- 6 Confirm with **(OK)**.
- 7 Use the navigation keys to select **MHL/HDMI**.
- 8 Confirm with **(OK)**.
- 9 The connection is activated.

Décrire connexion avec hdmi

iOS devices (with HDMI)

Android devices with MHL cable

Connecting the headphones

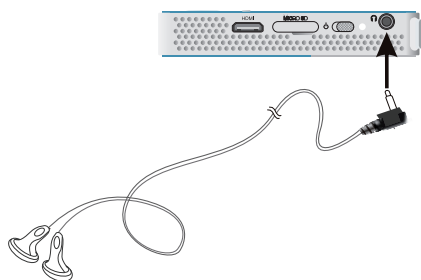
Notice



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.

- 1 Before connecting the headphones, turn down the volume on the device.
- 2 Connect the headphones to the projector's headphone slot. The device speakers deactivate automatically when the headphones are connected.



- 3 After connecting the headphones, increase the volume to a comfortable level.

DANGER!

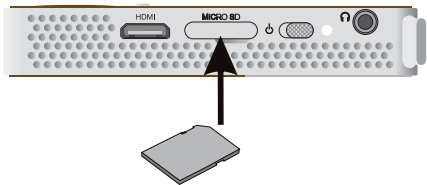


Danger of Hearing Damage

Do not use the device over a longer time at high volume – especially when using headphones. This could lead to the risks of hearing damage. Before connecting the headphones, turn down the volume on the device. After connecting the headphones, increase the volume to a comfortable level.

6 Memory

Inserting a Memory Card



- 1 Insert a memory card with the contacts facing downwards into the **MICRO SD** slot at the side of the device. Your device supports the following memory cards: Micro SD/SDHC/SDXC.
- 2 Insert the memory card into the slot until it snaps into position.

DANGER!



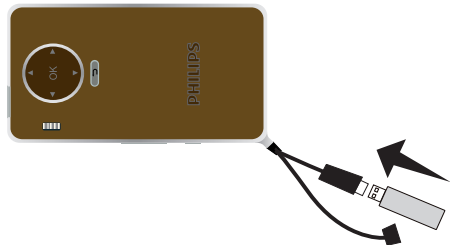
Inserting a Memory Card!

Never pull out the memory card while the device is accessing it. This could cause data to be damaged or lost.

Switch the device off in order to make sure that the device does not access the memory card.

- 3 Press lightly on the memory card to remove it.
- 4 The memory card is ejected.

Connecting USB Storage Medium



- 1 Connect the USB storage medium to the USB cable of the device.

describe here how to connect iOS and Android devices.

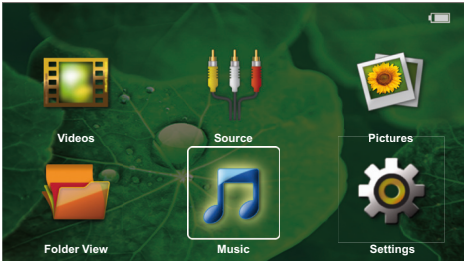
7 Miracast

function to do

8 Bluetooth

Activating the Bluetooth connection

- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.

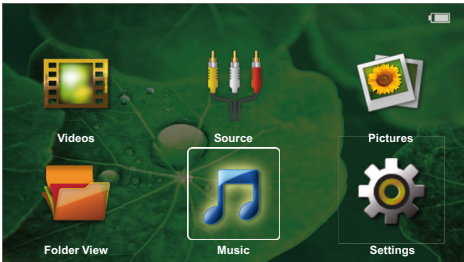


- 3 Use the navigation keys to select **Settings**.
- 4 Confirm with **OK**.
- 5 Use the navigation keys to select **Bluetooth**.
- 6 Confirm with **OK**.
- 7 Use **▲/▼** to select **On**.
- 8 Confirm with **OK**.

The projector is now visible for the near external Bluetooth devices.

Setting up Bluetooth parameters

- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.



- 3 Use the navigation keys to select **Settings**.
- 4 Confirm with **OK**.
- 5 Use the navigation keys to select **Bluetooth**.
- 6 Confirm with **OK**.
- 7 Using **▲/▼** select the desired setting.
- 8 Confirm with **OK**.

9 Modify the desired settings.

Menu	Description
Select device	The list shows all paired devices.
Paired device	To unconnect or unpair the paired device.

to finish settings and possibilities with bluetooth.

9 Media Playback

Notice



Best Settings for Optimal Use

Read the informations on the best settings in the chapter settings (see also Settings, page 17) for optimal use of your device.

Video playback

Video Playback (USB / MICRO SD / Internal Memory)

- 1 Switch the device on using the on/off on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Videos**.
- 4 Confirm with **OK**.
- 5 **With connected memory:** Using the keys **▲**/**▼** select the internal memory, the USB storage medium or the memory card.
- 6 Confirm with **OK**.
- 7 Use **▲**/**▼** to select the video file that you wish to play.

Notice



Displaying Video Files

Only those videos that are compatible with the Pocket Projector will be displayed.

- 8 Press **OK** to start playback.
 - 9 Press **↶** to end the playback and return to the overview.
 - 10 When you press **↶** again, you will return to the main menu.
- During playback you can adjust the volume using **◀**/**▶**.

File Format

There are various video file formats as *.mov, *.avi, *.m4v. Many of these formats function as a container that contains the various encoded audio and video files. MPEG-4, H.264, MP3, and AAC are all examples of encoded audio/video files. In order to play these files, the projector must read them and decode the audio/video signals.

Please note that some files cannot be played as a result of different video and audio encoders.

Supported file formats

Container	Video format
*.avi	XVID; MPEG-4; H.264; MJPEG
*.mov	MPEG-4; H.264;H.263
*.mp4	MPEG-4; H.264;H.263
*.mkv	XVID; MPEG-4; H.264; MJPEG
*.flv	NO
*.ts	H.264
*.m2ts	H.264
*.swf	NO
*.3gp	H.263
*.lvr	MPEG-4; H.264;H.263

Video Playback (Mini-HDMI Socket)

- 1 Connect the audio/video output of the external device to the Pocket Projector's **HDMI** socket. Use the corresponding cable and cable adapter for this purpose (see also Connect to the Playback Device, page 10).
- 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 labelled "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:
Volume: Adjust volume level
Smart Settings: Select predefined settings for brightness / contrast / colour saturation
Saturation: Adjust colour saturation
Contrast: Adjust contrast
Brightness: Adjust brightness
 - 3 Modify the setting using /.
- The device saves the modified settings automatically.

Photo Playback

- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Pictures**.
- 4 Confirm with .
- 5 **With connected memory:** Using the keys / select the internal memory, the USB storage medium or the memory card.
- 6 Confirm with .
- 7 Thumbnail photos are displayed on the screen as an overview.

Notice



Thumbnail or List

In the settings, you are able to select whether the overview will be displayed as miniatures or in a list.

Notice



Many Photos on the Memory Card or the USB Medium

If there are a lot of photos on the memory card or the USB storage medium it can take a moment before the overview appears.

- 8 Use / or / to select the image that you want to start the slide show with.
- 9 Press to start the slide show.
- 10 Press to pause the slide show.
- 11 Press to end the slide show and return to the overview.
- 12 When you press again, you will return to the main menu.

Slide Show with Background Sound

- 1 Start the slideshow.
- 2 Press /, to open the menu bar.

- 3 Using / select **Music**.
- 4 Confirm with .
- 5 Use / to select the file that you wish to play.

Notice



Storage Location

Only files from the internal memory/Memory Card/USB Storage Medium can be played.

- 6 To start the background sound confirm with .
- 7 Press / to adjust the volume level.
- 8 If no input is made, the menu bar is hidden after 5 seconds.

Music Playback

Notice



Switch off the Image Playback

You can turn off image playback while playing music in order to save power (see also Music settings, page 17). As soon as you press the key, the image reappears and the fan starts again.

- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Music**.
- 4 Confirm with .
- 5 **With connected memory:** Using the keys / select the internal memory, the USB storage medium or the memory card.
- 6 Confirm with .
- 7 Use / to select the file that you wish to play.
- 8 Press to start playback.
- 9 Press to stop or continue playback.

Notice



Navigating when Image Playback is Switched off

Press / to skip to the previous or next song.

Press to stop or continue playback.

Press to return to the selection.

During playback you can adjust the volume using / key.

Managing Files

Copy Files

You can copy files back and forth from the internal memory to the connected USB storage medium or memory card.

- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Folder View**.
- 4 Confirm with .
- 5 **With an inserted memory card or USB storage device:** Select the internal memory, the USB storage medium or the memory card using the keys /.
- 6 Confirm with .
- 7 Use / to select the file that you want to copy.

Notice



No Files Found (0 files)

Only those files that are compatible with the Projector will be displayed.

- 8 Mark the file using . Pressing the key again deselects the chose file(s).

Notice



Mark the Entire Folder

You can also mark an entire folder to copy all files from the folder. Note that the copy process of large folders can takes some time.

- 9 Use / to select other files.
- 10 Press .
- 11 Select with / **Copy**.
- 12 Confirm with .
- 13 Use / to select the destination memory: **SD card, internal memory** or **USB storage medium**.
- 14 Confirm with .

Notice



Files Already Exist

If the files you are copying already exist in the target folder, you must choose whether or not you want to overwrite them using / and . If you choose not to overwrite these files, copies will be created. The copies can be recognised by a number added to the file names.

- 15 The files are copied.

Notice



Error

If errors occur during the copying process, make sure that enough free space is available on the medium.

Removing Storage Medium

Only remove the storage medium after the copy process is complete.

Delete Files

You can delete files from the internal memory, the connected USB storage medium or the memory card.

- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Folder View**.
- 4 Confirm with .
- 5 **With connected memory:** Using the keys / select the internal memory, the USB storage medium or the memory card.
- 6 Confirm with .
- 7 Use / to select the file that you want to delete.

Notice



No Files Found (0 files)

Only those files that are compatible with the Projector will be displayed.

- 8 Mark the file using . Pressing the key again deselects the chose file(s).
- 9 Use / to select other files.
- 10 Press .
- 11 Select with / **Delete**.
- 12 Confirm with .
- 13 Use / if you want to delete the files or cancel the deletion process.
- 14 Confirm with .

Notice



Error

If errors occur during the deletion process, make sure that the storage medium is not write-protected.



Deleting Photos on the Memory Card

When deleting photos via the computer, note that the photos may not be correctly displayed when the memory card is inserted into the digital camera again. Digital cameras sometimes store additional information in specific folders, including previews and orientation information. For this reason, only delete the photos using the digital camera.

10 Settings

- 1 Switch the device on using the on/off switch on the side.
- 2 After the initial screen the main menu appears.
- 3 Use the navigation keys to select **Settings**.
- 4 Confirm with **OK**.
- 5 Use **▲/▼** to select from the following settings.
- 6 Confirm with **OK**.
- 7 Modify the settings using **OK**, **▲/▼**.
- 8 Confirm with **OK**.

The **↶** key takes you one step back in the menu.

Overview of the Menu Functions

Image settings

Wall paper – Select background images

Fit Screen – Convert videos and images to Original, Optimal or 16:9 resolution

Projection mode

Front – Normal projection; the device is located in front of the projection surface/screen

Rear – Rear projection; the device is located behind the projection surface; the image is reflected horizontally.

Rear ceiling – The device is located behind the projection surface, hanging from the ceiling in an upside-down position; the image is rotated through 180 degrees and reflected horizontally.

Ceiling – The device is hanging from the ceiling in an upside-down position; the image is rotated through 180 degrees.

Wall color correction – Colour correction of the projected image to adjust to coloured projection surfaces

Smart Settings – Select predefined settings for brightness / contrast / colour saturation. If you modify these settings, the setting is switched to **Standard**.

Brightness – Adjust brightness

Contrast – Adjust contrast

Saturation – Adjust saturation

Sound Settings:

Volume – Adjust the volume

Bass – Set the playback of the low frequencies

Treble – Set the playback of the high frequencies

Key beep – Turn key tones on and off

Video settings

View – Display all videos in a list or a corresponding folder structure on the drive.

Repeat – Set the repeat type for video files: Repeat deactivated (**Off**), repeat all videos in a directory (**Directory**), repeat only the current video (**Movie**), repeat all videos (**All**).

Resume play – If this function is activated, playback will continue at the position it was last stopped. If deactivated, playback will always start at the beginning of the video.

Music settings

View – Show all tracks in a list or a corresponding folder structure on the drive.

Screen – Activate or deactivate the projection during playback.

Repeat – Set the repeat type for music files: Repeat deactivated (**Off**), repeat all songs in a directory (**Directory**), repeat only the current song (**Song**), repeat all songs (**All**).

Shuffle – Activate this function for random playback. Otherwise, playback will take place in sequence.

Picture settings

View – Display the images as a **thumbnail** or as a **list** during selection in the main menu.

Time per slide – Image viewing time during slide show

Repeat – Set the type of repeat for slide show photos: Repeat off (**Off**), repeat all photos in the directory (**Directory**), repeat all stored photos (**All**).

Slide transition – Set image transitions

Slideshow order – Play slide show in order or randomly

Power Save

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

Sleep mode – With this function, the projector automatically shuts down after a specified period of time or at the end of a movie.

Auto demo mode – Switching demo mode on and off. In this mode, Pocket Projector is continuously displayed on the screen and video and/or audio files placed in internal memory are read directly.

Bluetooth – Enables the function and select the Bluetooth device.

Language – Select the desired language for the menu.

Maintenance

Reset settings – Reset settings to factory defaults.

Firmware Update – Update Firmware

Notice



Connect for the duration of the firmware update the power adapter.

Information – Display free space in the internal memory and information on the device (Capacity: / Free space: / Firmware version: / Device name: / Model:)

11 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:

- Without a power supply, the device operates from the built-in battery. When the battery does not have sufficient capacity, the device turns off. Connect the device to the power supply.
- When the battery does not have sufficient capacity, the battery symbol in the display and turns red.
- When the device is running for a long period of time, the surface becomes hot and a warning symbol appears on the projection. The device behaves as follows:
 - 1 The fan turns to maximum level.
 - 2 At maximum level of brightness the overheat symbol appears in the status bar and the device turns automatically to minimum level of brightness.
 - 3 At minimal level of brightness the overheat symbol shows for three seconds in the middle of the screen. Then the device turns off automatically.

After the device has cooled down, you can continue playback.

- 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 sources of heat.

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.

Battery deep discharge

When the battery is in deep discharge or the device is not used for a longer period, proceed as followed:

- 1 Connect the device to the power supply (see also Connect Power Supply / Charge Battery, page 8). The device behaves as follows:

	Device off	Device on
Connect to a computer	The indicator light on the side of the device turns red. Slow charging	Connect to a computer No charging
Connect to the power adapter	The indicator light on the side of the device turns red. Fast charging	Device remains turned on. Slow charging

- 2 The device can be turned on and is ready to use after approximately five minutes of charging time.

Battery recharge time with device off

	Turning on possible	Completely charged
Slow charging	5 minutes	10 hours
Fast charging	5 minutes	2 hours

Cleaning

! 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.

Device Overheated

A overheat symbol appears if the device is overheated (see also Symbols in the Statusbar, page 7). The device behaves as follows:

- 1 The fan turns to maximum level.
- 2 At maximum level of brightness the symbol appears in the status bar and the device turns automatically to minimum level of brightness.
- 3 At minimal level of brightness the symbol shows for three seconds in the middle of the screen. Then the device turns off automatically.

After the device has cooled down, you can continue playback.

Update Firmware with Memory Card

Notice



Connect for the duration of the firmware update the power adapter (see also Connect Power Supply / Charge Battery, page 8).

- 1 Format the memory card in the file system FAT16 or FAT32.

! DANGER!



All Data will be Deleted!

This procedure erases all your data that is stored on the memory card.

- 2 Save the latest firmware update file to the memory card.
- 3 Insert the memory card (see also Inserting a Memory Card, page 11) and switch the device on.
- 4 Use the navigation keys to select **Settings**.
- 5 Confirm with **OK**.
- 6 Use **▲/▼** to select **Maintenance**.
- 7 Confirm with **OK**.
- 8 Use **▲/▼** to select **Firmware Update**.
- 9 Confirm with **OK**.
- 10 Use **▲/▼** to select **Yes**.
- 11 Confirm with **OK**.
- 12 The device turns off and on again. After around 5 minutes the **Language Selection** screen appears. The firmware update is now completed.

! DANGER!



Inserting a Memory Card!

Never pull out the memory card while the device is accessing it. This could cause data to be damaged or lost.

! DANGER!



Power!

Do not unplug the power adapter during the firmware update.

Notice



If an error occurs during the firmware update process retry the procedure or contact your dealer.

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 is unresponsive or hung up	• Insert a slim, pointy object into the reset hole to trigger a hardware reset (see also Overview of the Menu Functions, page 7)
The Pocket Projector cannot be switched on	• Connect the supplied power supply to recharge the internal battery.
No sound	• Adjust the volume using the ◀/▶ key.
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 computer's 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.
Device switches turns off	• When the device is running for a long period of time, the surface becomes hot and a warning symbol appears on the projection, see also symbols in the statusbar. The device automatically turns off when it gets too hot. After the device has cooled down, you can continue playback. • When the battery does not have sufficient capacity, the device turns off. Connect the device to the power supply.
The device is connected to the power supply and switches to stand-by mode	• The battery is in deep discharge. The device can be turned on and is ready to use after approximately five minutes of charging time (see also Battery deep discharge, page 18).

Problems	Solutions
Devices changes from maximum level of brightness to minimum level of brightness when the device is connected over USB to play videos.	• When the environment temperature is too high, the devices turns automatically from maximum level of brightness to minimum level of brightness in order to protect the high power LED. • Use the device with lower environment temperatures.
Bad image or color quality when connecting with HDMI	• Use the supplied HDMI cable (PPA1290). Third-party cables may cause signal distortions.

12 Appendix

Technical Data

Dimensions (L × H × W)	97 x 17 x 54 mm
Weight	120 g
Recommended Ambient	5–35 °C
Relative Humidity	15–85 % (non-condensing)
File format	*.mp4, *.avi, *.mov, *.mkv, *.mpg, *.mpeg, *.flv, *.ts, *.m2ts, *.3gp
Photo formats	JPEG, BMP, PNG, GIF
Music formats	MP3, WAV, WMA
Video Standard (CVBS)	PAL, SECAM, NTSC
Video Standard (YPbPr)	480i/p, 576i/p, 720p, 1080i/p
Video connection	Mini-HDMI socket
Headphone connection	Stereo - jack plug: 3,5 mm
Internal speaker	mono 1 W
Internal memory	4 GB
Compatible Memory Cards	Micro SD/SDHC/SDXC
USB connection max. power	5V, 500mA

Technology / optical

Display technology	WVGA 0,2" DLP
Light source	RGB LED
Resolution	640 x 360 Pixel
Supported Resolutions	VGA/SVGA/WVGA XGA/WXGA/FULL HD
Brightness (Bright Mode)	up to XXX lumen
Contrast ratio	1300:1
Projected image size	10–60 inch
Screen distance	0,35 m up to 2.12 m
Focus	Manual
Focus length	10.6 m

Built-in rechargeable battery

Battery type	LiPol
Capacity	XXX mAh X V
Charging time	X h
Operating time	X h
Operating time (ECO mode)	X h
Manufacturer	xxxxxxx

Accessories

Following accessories are available for your device:

Mini HDMI-HDMI cable	PPAXXXX / 253xxxxx
MHL cable	PPAXXXX / 253xxxxx
Power adaptor	PPA6200EU / 253456003 PPA6200UK / 253461710 PPA6200US / 253495638

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- 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.

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