

PHILIPS

ProPix 650

Business Projector

User Manual



Register your product and get support at
www.philips.com/support



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Introduction

Dear customer

Thank you for purchasing this projector.

We hope you enjoy this product and the many functions it offers!

About this user manual

The quick start guide supplied with this product allows you to start using this product 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 this product (see **General safety information, page 4**). The manufacturer accepts no liability if these instructions are not followed.

Symbols used

Notice



This symbol indicates tips that will help you use this product more effectively and easily.

DANGER!



Danger of personal injury!

This symbol gives warning of danger of personal injury. Physical injury or damage can result from improper handling.

CAUTION!

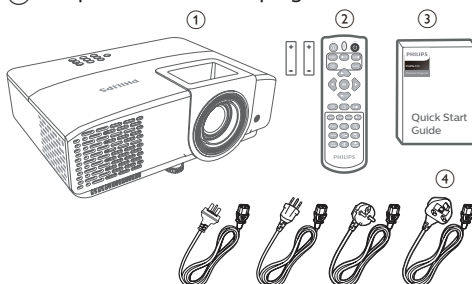


Damage to the product or loss of data!

This symbol gives warning of damage to the product and possible loss of data. Damage can result from improper handling.

What's in the box

- ① ProPix 650 projector (PRX650/INT)
- ② Remote control with 2 AAA batteries
- ③ Quick Start Guide with Warranty Card
- ④ AC power cables with plugs x 4



Customer service centre

The Support page, warranty card, and user manuals can be found here:

Web: www.philips.com/support

Support Contacts:

International Phone: +41 215 391 665

Please ask your provider for international call costs!

Mail: philips.projector.eu@screeneo.com

Access our FAQ websites:

<https://support.philipsprojection.com>

<https://community.philipsprojection.com>

1 General safety information

Take note of all warning and safety notes indicated. Do not make any changes or settings that are not described in this user manual. Incorrect operation, and improper handling can lead to physical injury, damage to the product or loss of data.

Setting up the product

This product is for indoor use only. Place the product securely on a stable, flat surface. To help avoid possible injuries to persons or damage to the product itself, position all cables in such a way that no one will trip over them.

Do not operate the product in damp rooms. Never touch the mains cable or the mains connection with wet hands.

Never operate the product immediately after moving it from a cold location to a hot location. When the product is exposed to such a change in temperature, moisture may condense on the crucial internal parts.

The product must have sufficient ventilation and must not be covered. Do not put the product in closed cabinets, boxes, or other enclosures when in use.

Protect the product from direct sunlight, heat, intense temperature fluctuations and moisture. Do not place the product in the vicinity of heaters or air conditioners. Observe the information on temperature listed in the technical data (see **Technical data, page 18**).

Prolonged operation of the product causes the surface to become hot. In case of overheating, the product automatically switches to standby mode.

Do not allow liquids to leak into the product. Turn off the product and disconnect it from the mains supply if liquids or foreign substances leaked into the product. Have the product inspected by an authorised service centre.

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

If the product gets too hot or emits smoke, shut it down immediately and unplug the power cable. Have your product checked by an authorised service centre. Keep the product away from open flames (e.g. candles).

The remote control is with batteries (type AAA).

! DANGER!



Risk of explosion with incorrect type of batteries!

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

Do not expose the batteries to excessive heat such as sunshine, or open fire. Do not expose the batteries to low air pressure at high altitude.

Under the following conditions, a layer of moisture can appear inside the product which can lead to malfunctions:

- if the product is moved from a cold to a warm area;
- after a cold room is heated;
- when the product is placed in a damp room.

Proceed as follows to avoid any moisture buildup:

- 1 Seal the product 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 product out of the plastic bag.

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

Do not expose the product to extreme vibrations. This may damage the internal components.

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

For your own safety, do not use the product during thunderstorms with lightning.

Repairs

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

Please find the details of authorised service centres on the warranty card supplied with this product.

Do not remove the type label from this product, as this will void the warranty.

Power supply

Use only a power adapter which is certified for this product (see **Technical data, page 18**). Check whether the mains voltage of the power supply matches the mains voltage available at the setup location. This product complies with the voltage type specified on the product.

The power outlet shall be installed near the product and shall be easily accessible.

CAUTION!



Always use the  button to turn the projector off.

Turn off the product and unplug from the power outlet before cleaning the surface (see **Cleaning, page 15**). Use a soft, lint-free cloth. Never use liquid, gaseous or easily flammable cleaners (sprays, abrasives, polishes, alcohol). Do not allow any moisture to reach the interior of the product.

DANGER!

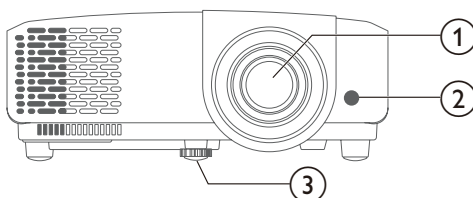


Risk of eye irritation!

This product is equipped with a high power RGB laser, which emits very bright light. Do not look directly into the projector lens during operation. This could cause eye irritation or damage.

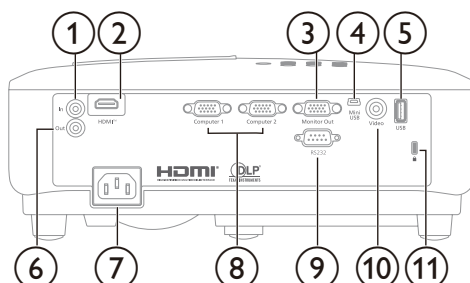
2 Overview

Front view



- ① Projection lens
- ② IR sensor
- ③ Adjuster foot

Back view

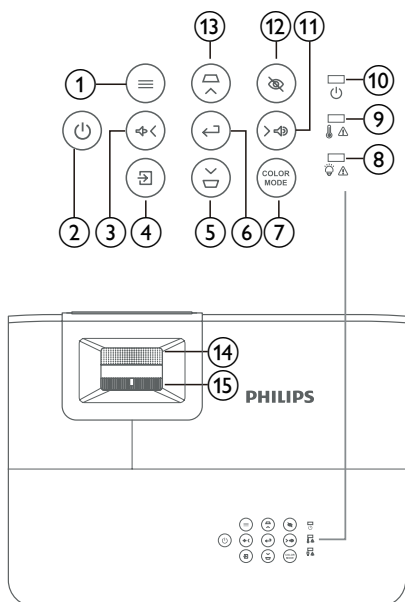


- ① **Audio in**
Connect to the audio cable.
- ② **HDMI**
Connect to an HDMI™ output port on a playback device.
- ③ **Monitor out**
Connect to a VGA input port on a playback device.
- ④ **Mini USB**
Connect to a mini USB cable.
- ⑤ **USB-A**
Connect to a USB dongle.
- ⑥ **Audio out**
Connect to the audio cable.
- ⑦ **AC power cable inlet**
Connect to the power cable.
- ⑧ **Computer**
Connect to a VGA output port on a playback device.
- ⑨ **RS232**
Connect to a RS232 cable.
- ⑩ **Video**

Connect to a composite video output port on a playback device.

⑪ Security slot

Top view

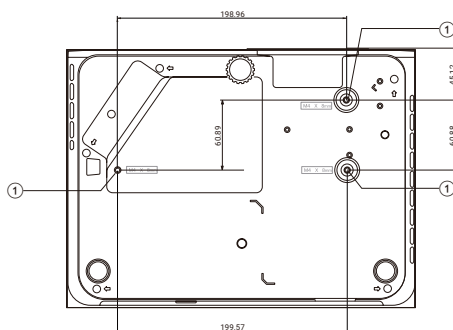


- ①
 - Access the projector's settings menu.
 - Leave current item or close the OSD menu when there is OSD menu.
- ②
 - Switch the projector on or to standby mode.
 - When the projector is on, the LED lights up in green.
 - When the projector is in standby mode, the LED blinks green.
- ③
 - Decrease the volume.
 - Move to the left item when there is OSD menu.
- ④
 - Switch to a different input source.
- ⑤
 - Decrease the keystone value.
 - Move to the next item when there is OSD menu.
- ⑥ **OK**

Confirm a selection on the screen.

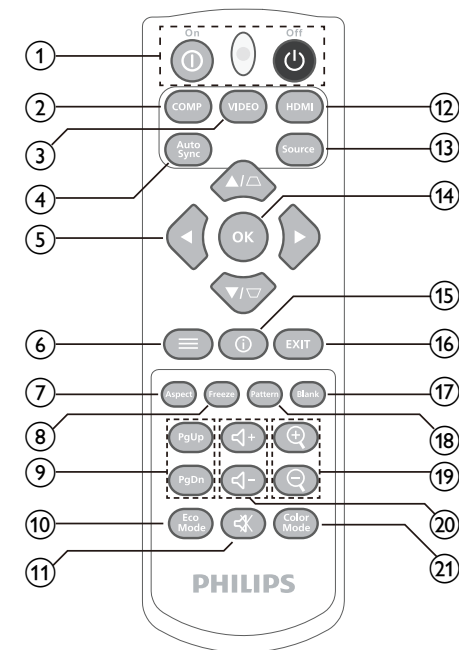
- ⑦ **COLOR MODE**
 - Choose a preset mode.
- ⑧ **Light source indicator light**
- ⑨ **Temperature source indicator light**
- ⑩ **Power indicator light**
- ⑪
 - Increase the volume.
 - Move to the right item when there is OSD menu.
- ⑫
 - Turn the image to blank and show "Blank" on screen. Press any key to return the image.
- ⑬
 - Increase the keystone value.
 - Move to the upper item when there is OSD menu.
- ⑭ **Focus ring**
- ⑮ **Zoom ring**

Bottom view



- ① **Tripod socket**
 - Screw size: M4 (max. length = 25 mm; min. length = 20 mm)

Remote control



- ① **Power On/Off**
Switch the projector on or to standby.
- ② **COMP**
Selects the source from the Computer port(s) for display. Press this button again to switch between these ports if available.
- ③ **VIDEO**
Selects the source from the Video port(s) for display. Press this button again to switch between these ports if available.
- ④ **Auto Sync**
No function.
- ⑤ **Navigation buttons (Up, Down, Left, Right); Keystone keys**
 - Navigate items on the screen.
 - Increase or decrease the keystone value.
 - Press ▲/▼ to change the value for the current setting when there is OSD menu.
- ⑥ **Menu**
 - Access the projector's settings menu.
 - Leave current item or close the OSD menu when there is OSD menu.
- ⑦ **Aspect**
Select an aspect ratio.
- ⑧ **Freeze**

Freeze the projected image.

- ⑨ **Page Up/Page Down**
Operates your display software program (on a connected PC) which responds to page up/down commands (like Microsoft PowerPoint). This button is only available when a PC input signal is selected.
- ⑩ **Eco Mode**
Select the Eco Mode.
- ⑪ **Mute**
Toggle audio between on and off.
- ⑫ **HDMI**
Selects the source from the HDMI port(s) for display. Press this button again to switch between these ports if available.
- ⑬ **Source**
Switch to a different input source.
- ⑭ **OK**
Confirm a selection on the screen.
- ⑮ **Information**
Display the *INFORMATION* menu.
- ⑯ **EXIT**
Leave current item or close the OSD menu when there is OSD menu.
- ⑰ **Blank**
Turn the image to blank and show "Blank" on screen. Press any key to return the image.
- ⑱ **Pattern**
Display embedded test pattern. <--check if this OSD item was added
- ⑲ **Zoom In/Zoom Out**
 - Magnify the projected picture size.
 - Reduce the projected picture size.
- ⑳ **Volume Up/Volume Down**
 - Increase the volume level.
 - Decrease the volume level.
- ㉑ **COLOR MODE**
Choose a preset mode.

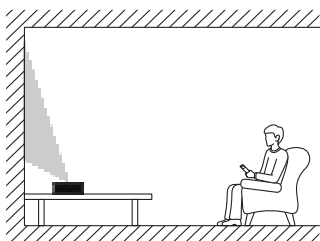
3 Initial setup

Notice

- i** Make sure all devices are disconnected from their power supplies before establishing or changing any connections.

Place the projector

- 1 Place the projector on a flat surface such as a table in front of the projection surface. This is the most common way to position the projector for quick setup and portability.



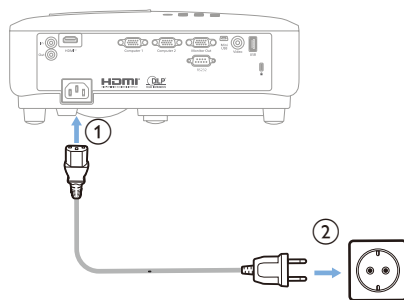
- 2 If the projection direction is incorrect, press  on the projector or remote control to access the projector's settings menu and select **SYSTEM > Projector Position > Front Table**.

Connect to power supply

CAUTION!

-  Always use the  button to turn the projector on and off.

- 1 Select a supplied power cable with the correct plug (EU/UK/US/AU).
- 2 Connect the power cable to the AC power cable inlet.
- 3 Connect the power cable to an electrical socket.
 - The power LED on the projector blinks green.



Prepare the remote control

CAUTION!



The improper use of batteries can lead to overheating, explosion, risk of fire and injury. Leaking batteries can possibly damage the remote control.

Never expose the remote control to direct sunlight.

Avoid deforming, dismantling or charging the batteries.

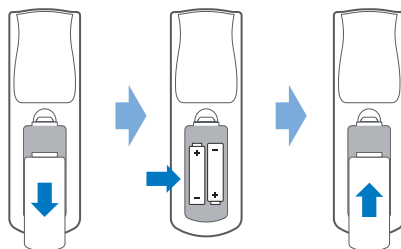
Avoid exposure to open fire and water.

Replace empty batteries immediately.

Remove the batteries from the remote control if not in use for long periods of time.

Dispose of the used batteries according to the manufacturer's instructions and local environment regulations for your region.

- 1 Open the battery compartment.
- 2 Insert the supplied batteries (type AAA) with correct polarity (+/-) indicated.
- 3 Close the battery compartment.



- When using a remote control with infrared signals, point the remote control at the IR sensor on the projector, and make sure there

is no obstacle between the remote control and the IR sensor.

Power on and set up the projector

Power on/off the projector

- To turn on the projector, press  on the projector or press  on the remote control. The power LED on the projector turns from blinking green to green.
- To turn off the projector, press  on the projector/remote control. The projector enters standby mode and its power LED turns from green to blinking green.
- To fully shut down the projector, disconnect the power cable from the electrical socket.

Set up the projector system

When you turn on the projector for the first time or after it was reset to its factory default settings, the projector system will start and prompt you to set it up by making some basic settings.

After the setup, you can start using the projector or continue to make other adjustments.

Note: The default display language is **English** and not all languages are available.

Screen size adjustment

The projection screen size (or size of images) is determined by the distance between the lens of the projector and the projection surface.

This projector has a projection distance of 2100 mm to 6300 mm, and thus creates a screen size of 60" to 180".

Digital zooming

You can use the digital zooming function to resize the screen size from 0.8x to 2.0x.

- 1 Press  on the projector or remote control to access the settings menu, go to *DISPLAY > Zoom* and press the **OK** button.
- 2 Press / to adjust the screen size. The changes take effect immediately.

Image focus adjustment

You can adjust the image focus manually.

- To manually adjust the image focus, rotate the zoom ring on the projector.

Image shape adjustment

You can adjust the image shape manually.

To manually adjust the image shape:

- 1 Press  on the projector or remote control to access the settings menu, go to *DISPLAY > Keystone* and press the **OK** button.
- 2 After the Keystone correction page displays. Follow the on-screen instructions to adjust the image shape.

4 Connect to playback devices

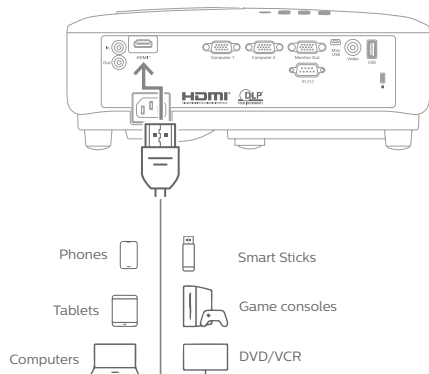
Notice

- i** Make sure all devices are disconnected from their power supplies before establishing or changing any connections.

Connect to devices through HDMI™

You can connect a playback device (e.g. a Blu-ray player, gaming console, camcorder, digital camera or PC) to the projector through HDMI™ connection. With this connection, images are shown on the projection screen, and audio is played on the projector.

- 1 Using an HDMI™ cable, connect the **HDMI** port on the projector to an HDMI™ output port on a playback device.

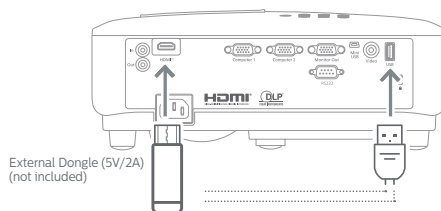


- 2 If the projector does not automatically switch to the correct input source, press **Source** on the projector or **Source** on the remote control to switch the input source to **HDMI**.

Connect to a dongle

You can connect a dongle (e.g. Amazon Fire Stick, Roku Stick or Chromecast) to the projector to easily watch videos over the internet. With this connection, images are shown on the projection screen, and audio is played on the projector.

- 1 Connect a dongle to the projector's **HDMI** port using an HDMI™ cable.
- 2 Connect the dongle to the projector's **USB-A** port using a USB cable.

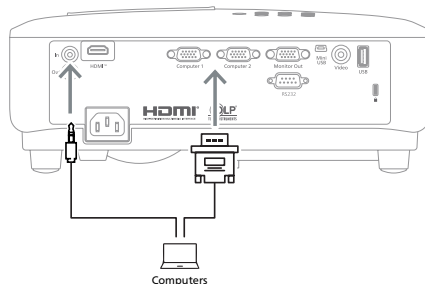


- 3 If the projector does not automatically switch to the correct input source, press **Source** on the projector or **Source** on the remote control to switch the input source to **HDMI**.

Connect to devices through VGA

You can connect a playback device to the projector through VGA connection. With this connection, images are shown on the projection screen, and audio is played on the projector if the audio cable is connected.

- 1 Using a VGA cable, connect the **Computer** port on the projector to a VGA output port on a playback device.



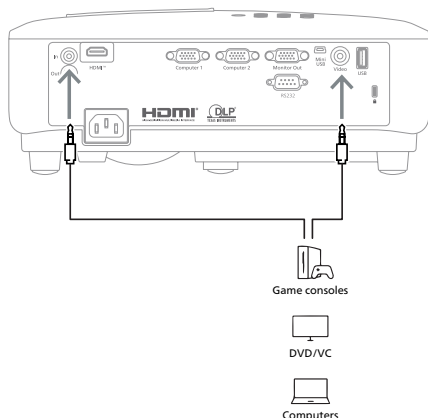
- 2 If the projector does not automatically switch to the correct input source, press **Source** on the projector or **Source** on the remote control to switch the input source to **HDMI**.

on the projector or **Source** on the remote control to switch the input source to *Computer*.

Connect to devices through composite video

You can connect a playback device to the projector through composite video connection. With this connection, images are shown on the projection screen, and audio is played on the projector if the audio cable is connected.

- 1 Using a composite video cable, connect the **Video** port on the projector to a composite video output port on a playback device.



- 2 If the projector does not automatically switch to the correct input source, press  on the projector or **Source** on the remote control to switch the input source to *Video*.

5 Connect to external speakers or headphones

You can connect external speakers or headphones to the projector. With this connection, audio from the projector is played through the external speakers or headphones.

- The internal speakers of the projector are deactivated automatically when external speakers or headphones are connected to the projector.

DANGER!



Danger of hearing damage!

Before connecting the headphones, turn down the volume on the projector.

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

6 Change settings

- 1 Press **≡** on the projector or remote control to access the projector's settings menu.
- 2 Use the navigation buttons and the **OK** button to select a menu item.
- 3 Press **▲/▼** or **◀/▶** to select a value for the menu item.
- 4 Press the **OK** button to make the change.
Note: For some menu items such as Digital Zoom, the change takes effect once you select a different value.
- 5 Press **≡** or **EXIT** one or more times to exit the projector's settings menu.

DISPLAY settings

You can view and change the following display settings.

- *Aspect Ratio*: Set the image's aspect ratio.
- *Keystone*: Manually correct the vertically keystone by adjusting the corners of the screen.
- *Position*: Adjust the position of the projected image. This function is only available when a PC input signal is selected. The adjustment range may vary under different timings.
- *Phase*: Adjust the clock phase to reduce image distortion. This function is only available when a PC input signal is selected.
- *H. Size*: Adjust the horizontal width of the image. This function is only available when a PC input signal is selected.
- *Zoom*: Scale down the projection image by up to 80% or scale up the projection image by up to 200%. The default value is 100% (no scale-down).
- *OverScan*: Adjust the overscan rate from 0% to 5%.
- *Game mode*: This function is favorable to frame rate reducing. Quick response time in native timing can be achieved. When enabled, the following settings will return to factory preset values: *Aspect Ratio*, *OverScan*, *Zoom*.

IMAGE settings

You can view and change the following image settings.

- *Color Mode*: Select a predefined color brightness setting for picture and video display, or select *User 1/User 2* to customize some of the sub-menus under the *IMAGE*

menu, according to your selected input source. **Tip:** You can more quickly change the picture preset by pressing **COLOR MODE** on the projector or remote control.

- *Brightness*: Adjust the display brightness.
- *Contrast*: Adjust the display contrast.
- *Color Temperature*: Select *5500K* to enhance warm colors such as red; select *8000K* to make picture bluish; select *6500K* for a moderate color temperature.
- *Advanced*:
 - *Color*: A lower setting produces less saturated colors. If the setting is too high, colors will be overpowering and may appear unrealistic.
 - *Sharpness*: Select different sharpness level.
 - *Gamma*: Gamma refers to the brightness level of the projector's grayscale levels.
 - *Brilliantcolor*: This feature utilizes a new color-processing algorithm and system level enhancements to enable higher brightness while providing truer, more vibrant colors in the projected picture. It enables a greater than 50% brightness increase in mid-tone images, which are common in video and natural scenes, so the projector reproduces images in realistic and true colors. If you prefer images with that quality, select a level that suits your need.
 - *Color Management*: Color management provides fine color control adjustment to allow for more accurate color reproduction. Select *Primary Color* first and adjust its range/values in *Hue*, *Saturation* and *Gain*.
- *Reset Color Settings*: Reset the color settings to default.

POWER MANAGEMENT settings

You can view and change the following power management settings.

- *Auto Power On*:
 - *Signal*: Select *VGA* allows the projector to turn on automatically once the signal is fed through the signal cable.
 - *CEC*: Turn *HDMI™ CEC* (Consumer Electronics Control) on or off. The default value is *Disable*.
 - *Direct Power On*: Allow the projector to turn on automatically once power is fed through the power cord.
- *Smart Energy*:

- **Auto Power Off:** Allow the projector to turn off automatically after a set period of time once no input source is detected to prevent unnecessary waste of lamp life. **Tip:** Disabling *Auto Power Off* will increase energy consumption.
- **Sleep Timer:** Select a period of time after which the projector turns off automatically. The default value is *Disable*.
- **Power Saving:** Lower power consumption if no input source is detected.
- **Standby Settings:** When *VGA loop through* is enabled, the projector outputs the signal received from Computer 1/Computer 2 in standby mode.
- **Quick Power Off:** When this function is enabled, the projector will not enter the cooling process after being shut down. **Tip:** If you attempt to restart the projector right after it's been turned off, it may not be turned on successfully and will rerun its cooling procedure.
- **USB A Power:** When this function is enabled, the USB Type A port can supply power.
- **Sound Reminder:** Allow you to decide if you want to activate a sound reminder. Once enabled, a double beep sound will be heard at the last 30 seconds of counting down/up, and a triple beep sound will be produced when the timer is up.
- **Start Counting/Off:** Select *Start Counting* to activate the timer. Select *Off* to cancel it.
- **Pattern:** This function helps you adjust the image size and focus, and checks for distortion in the projected image. <--check if this OSD item was added
- **Blank Timer:** Allow the projector to return the image automatically after a period of time when there is no action taken on the blank screen. To display the blank screen, press  on the projector or **Blank** on the remote control. **Tip:** Do not block the projection lens as this could cause the blocking object to become heated and deformed or even cause a fire.
- **Message:** Set reminder messages On or Off.
- **Splash Screen:** Select which logo screen will appear during projector start-up.

BASIC settings

You can view and change the following basic settings.

- **Audio Settings:**
 - **Mute:** Select *On* to temporarily turn off the projector's internal speaker or the volume being output from the audio output jack.
 - **Audio Volume:** Adjust the volume level of the projector's internal speaker or the volume being output from the audio output jack.
 - **Power On/Off Ring Tone:** Turn on/off the ring tone during the starting up and shutting down process.
- **Presentation Timer:** Presentation timer can indicate the presentation time on the screen to help you achieve better time management when giving presentations.
 - **Timer Period:** Set the time period. If the timer is already on, the timer will restart whenever the *Timer Period* is reset.
 - **Timer Display:** Allow you to decide if you want the timer to show up on the screen.
 - **Timer Position:** Set the timer position.
 - **Timer Counting Direction:** Set your desired counting direction.

ADVANCED settings

You can view and change the following advanced settings.

- **3D Settings:**
 - **3D Sync:** Select the input signal's 3D format when the input source is **HDMI**.
 - **3D Sync Invert:** If you have problems with the left and right eye reversed when using 3D glasses, please adjust *3D Sync Invert* from default *Disable* to *Invert*.
- **HDMI Settings:**
 - **HDMI Format:** Select a suitable color space according to the color space setting of the output device connected.
 - **HDMI Range:** Select a suitable HDMI color range according to the color range setting of the output device connected.
- **Light Source Settings:**
 - **Light Source Mode:** Select a light source mode.
 - **Reset Light Source Hours:** Reset the light source timer after new lamp is installed.
 - **Light Source Information:** Displays the number of hours the light source has been used.
- **Reset Settings:** Reset the settings to default.

SYSTEM settings

You can view and change the following system settings.

- *Language*: Select the display language for the projector.
- *Projector Position*: Adjust the projection to the correct direction based on how the projector is installed.
- *Menu Settings*:
 - *Menu Display Time*: Set the settings menu's display time.
 - *Menu Position*: Set the settings menu's position to *Center*, *Top-Left*, *Top-Right*, *Bottom-Left* or *Bottom-Right*.
- *High Altitude Mode*: We recommend you use the *High Altitude Mode* when your environment is between 1,500 m to 3,000 m above sea level, and ambient temperature is between 0°C–30°C.
- *Quick Auto Search*: Allow the projector to automatically search for the signals.
- *Security Settings*:
 - *Change Password*: Follow the on-screen instructions to change the password.
 - *Power on Lock*: Set a password after selecting *On* to help prevent unauthorized access or use. To disable the password function, select *Off*.

Tip: If the password function is activated, you will be asked to enter the six-digit password every time you turn on the projector. If you enter the wrong password, the password error message will appear for 5 seconds, and the message 'INPUT PASSWORD' follows. If you enter an incorrect password 5 times in succession, the projector will automatically shut down in a short time.

- *Panel Key Lock*: Lock the control keys on the projector.
- *Baud Rate*: Selects a baud rate that is identical with your computer's so that you can connect the projector using a suitable RS-232 cable and control the projector with RS-232 commands.

INFORMATION

You can view the following information.

- *Source*: Show the current input source.
- *Color Mode*: Show the selected mode in the *IMAGE* menu.
- *Resolution*: Show the native resolution of the input source.
- *Color System*: Show input system format.

- *Firmware Version*: Check firmware version of this product.
- *Game mode*: Show whether the function is activated or not.
- *Serial Number*: Check serial number of this product.

7 Maintenance

Cleaning

DANGER!



Follow the following instructions when cleaning the projector:

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 projector. Do not spray the projector with any cleaning fluids.

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

Cleaning the lens

Use a dry cloth 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.

8 Troubleshooting

Power cycling

If a problem occurs and you cannot resolve it using the instructions in this user manual, try the following steps to resolve the problem.

- 1 Turn the projector off by pressing .
- 2 Wait at least 10 seconds.
- 3 Turn the projector on by pressing .
- 4 If the problem persists, contact one of our customer service centres or your dealer.

Problem	Solution
The projector cannot be turned on.	• Disconnect and reconnect the power cable, and try to turn the projector on again.
The projector cannot be turned off.	• Press  twice. If this does not work, disconnect the power cable.
No image from the external HDMI™ device.	1. Check if the correct HDMI™ input is selected (<i>HDMI</i>). 2. Disconnect the HDMI™ cable or switch off the HDMI™ device. 3. Wait three seconds. 4. Reconnect the HDMI™ cable or switch on the HDMI™ device again.
No sound from the external connected device.	• Check the cables to the external device. • Check that the sound is activated on the external device. • Only the original cables from the device manufacturer may function.
No sound from external HDMI™ output device.	• On the HDMI™ output device, set the audio setting to Multichannel (Raw data) & Stereo (PCM).
No sound when you connect your computer using an HDMI™ cable.	• Check that the sound is activated on the computer.
Only the home menu appears and not the image from the external device.	• Check if the cables are connected to the correct sockets. • Check that the external device is turned on. • Check if the video output of the external device is turned on.
Only the home menu appears and not the image from the connected computer.	• Check that the HDMI™ output of the computer is turned on. • Check if the resolution of the computer is set to 1920*1080.
The projector turns itself off.	• When the projector is running for a long period of time, the surface becomes hot. • Check that the power cable is connected correctly.
The projector does not react to remote control commands.	• Check the batteries of the remote control.
The temperature of the projector's surface is warm.	• For this projector it is normal to generate moderate heat during operation.

Problem	Solution
The projector does not work after I connect it to a laptop.	• Check that the HDMI™ cable is plugged in correctly. • Make sure that the laptop has been switched to projector display.
Black dots (dead pixels) appear on the screen.	DMD displays from Texas Instruments typically contain a small number of pixels that do not function normally. Your display has been inspected and is in compliance with the manufacturer's specifications, meaning that any pixel defects will not affect the operation or use of your display. Without prejudice to generality of the foregoing, a display with no more than 7 dead pixels meets the factory specifications and is not considered a defect under this warranty.

9 Appendixes

Technical data

Technology/optical

Display technology.....	TI DLP
Light source	UHP 200-170W 0.8 E20.7i Fusion Air
Colorimetry & metadata	REC.709
Resolution.....	1280 x 800 pixels
Light source lifetime	...6,000 hours (Normal mode)/10,000 hours (Eco mode)
FOFO contrast ratio.....	Min. 1600:1
Aspect ratio	Auto/4:3/16:9/16:10/Native
Throw ratio.....	1.55~1.7 (87" ±3% @ 2.9m)
Screen size (diagonal).....	60" - 150"
Screen distance.....	2425 mm - 5197 mm
Lens protection	no
Projection modes.....	4
Focus adjustment.....	manual
Keystone correction.....	manual
TOF.....	no
4 corner correction.....	no
Digital zoom.....	yes (0.8x-2.0x)
Integrated media player.....	no

Sound

Built-in speakers.....	1 x 2 W
Surround mode	no
Equalization	yes

Connection

HDMI™ in.....	x 1
VGA in.....	x 2
VGA out.....	x 1
Composite video	x 1
USB-A (5V/1.5A out + external drive).....	x 1
Audio in.....	x 1
Audio out.....	x 1
USB-C.....	no
Bluetooth.....	no

Power source

Power consumption.....operating:	260 W (typical)
.....standby:	0.5 W (max.) @100-240VAC

Integrated Media Player

.....	no
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Dimensions and weight

Unpacked (W x D x H).....	302 x 218 x 99 mm
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(including adjuster foot)	
Packed (L x W x H)	410 x 170 x 297 mm
Weight.....	2.3 kg / 5.07 lb

Temperature requirements

Operating temperature	0 °C - 40 °C
Storage temperature.....	-20 °C - 60 °C

Package contents

1. ProPix 650 projector
2. Remote control
3. Power cables (EU, UK, US, AU)
4. AAA batteries for remote control
5. Quick Start Guide with Warranty Card

Model

PRX650/INT
EAN INT : 7640186962551
UPC: 667619993071

CE statement

- The product shall only be connected to a USB interface of version USB 2.0 or higher.
- Adapter shall be installed near the equipment and shall be easily accessible.
- The operating temperature of the EUT can't exceed 35°C and shouldn't be lower than 5°C.
- The plug is considered as disconnect device of adapter.
- The UNII Band 5150-5250 MHz is for indoor use only.
- The device complies with RF specifications when the device is used at 20 cm from your body.

Hereby, Screeneo Innovation SA declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU.



The Declaration of Compliance can be consulted on the site www.philips.com.

Frequency bands	Maximum output power
BT EDR (EIRP)	9.09 dBm
BT BLE (EIRP)	4.85 dBm
Wi-Fi 2.4GHz (EIRP)	17.88 dBm
Wi-Fi 5GHZ (EIRP)	17.89 dBm

FCC statement

15.19 Labeling requirements.

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.

15.21 Information to the user.

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

15.105 Information to user.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

During operation, the separation distance between the user and the antenna shall be at least 20 cm. This separation distance will ensure that there is sufficient distance from a properly installed externally-mounted antenna to satisfy the RF exposure requirements.

FCC ID: 2ASRT-SCN355

Canada regulatory compliance

This device complies with Industry Canada CAN ICES-3 (B)/NMB-3(B)

RSS-Gen & RSS-247 statement: This device complies with Industry Canada RSS standard(s). Operation is subject to the following two conditions:

- 1 This device may not cause interference, and
- 2 This device must accept any interference, including interference that may cause undesired operation of the device.

RF Radiation Exposure statement: The device meets the exemption from the routine evaluation limits in section 2.5 of RSS102 and users can obtain Canadian information on RF exposure and compliance.

This device should be installed and operated with a minimum distance of 7.8 inches (20 centimetres) between the device and your body.

Other notice

Preservation of the environment as part of a sustainable development plan is an essential concern of Screeneo Innovation SA. The desire of Screeneo Innovation SA is to operate systems respecting the environment and consequently it has decided to integrate environmental performances in the life cycle of these products, from manufacturing to commissioning use and elimination.

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



Product: The crossed-out waste bin symbol 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 reuse 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 recycled or dispose of it in the non-recyclable waste, depending on the requirements in your country.

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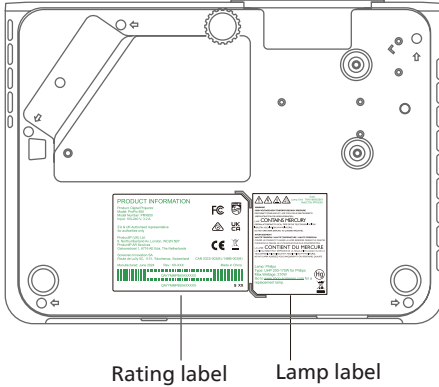
As with any bright light source, do not stare into the beam, RG2 IEC 62471-5:2015.

CAUTION

- Do not look into the lens while in use.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous

radiation exposure.

- The use of optical instruments with this product will increase eye hazard.
- Never allow children to stare into the projector beam at any distance from the projector.
- Do not turn on the projector with the remote commander while in front of the projection lens.
- Avoid the use of optical aids such as binoculars or telescopes inside the beam.





Screeneo Innovation SA

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