XPAND 3D Glasses Lite (IR)

Model No. X105-IR-X1 (3D Glasses)

User Guide

XPAND 3D
BEYOND IMAGINATION

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Glasses Overview



(1) Button (ON, OFF, Mode selection)
(2) LED light

What's Included

» (1 piece) Active 3D Glasses
» (1 piece) Charging cable (USB)

Compatibility

The XPAND 3D Glasses Lite (IR) are compatible with 3D devices that use following IR 3D synchronization protocols:

» Panasonic 3D devices with IR 3D synchronization
» Sony
» Sharp
» Philips 2010 3D TVs with IR 3D synchronization
» Philips 2011 and 2012 TVs with IR 3D synchronization
» TCL TVs and TVs that uses TCL IR 3D synchronization (Thomson)
» Samsung 3D devices with IR 3D synchronization
» Grundig 3D TVs

Please note that some TVs may require an external 3D IR emitter.

Additionally, XPAND equipped cinemas are supported as well. For the most current list please check http://www.xpand.me/compatible-devices/

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Turning On/Off Your Glasses

» Step 1 ON: Press button (1) once
» Step 2 LED light (2) will light up from off to bright
» Step 3 OFF: Press button (1) once
» Step 4 LED light (2) will light up brightly and then dim from bright to off

The glasses turn off automatically if no 3D signal from a TV or emitter is detected for 5 minutes.

Set Your Glasses to Operate with Your 3D Device

The XPAND 3D Glasses Lite (IR) recognize your 3D device automatically.

Please note that it may take from few seconds to one minute for glasses to synchronize with your 3D device at a very first time. After that the glasses start to operate within a few seconds after being exposed to the same 3D IR signal.

Set Your Glasses to Operate in Dual View Mode

When the 3D device (TV, projector, etc.) is emitting a dual view image, the glasses automatically switch to Dual View operation mode. To change the Dual View mode between Player 1 and Player 2 view, double click on the button (1).

When double click is detected, LED light (2) indicates the eyewear mode:

Player 1: One Quick Blink
Player 2: Two Quick Blinks
Dual View not available: One Long Blink

Please note that Dual View functionality is available only with Panasonic and Philips IR 3D TVs from 2011 or later.

Battery Low Indication

If LED light (2) is flashing with short blinks, the battery level is low. The glasses will continue to operate normally until the battery is completely discharged.

Charging the Battery

To **charge** the eyewear, use the micro USB cable to connect the USB charging port on the glasses to a powered USB port (computer or wall charger with USB compliant output). LED (2) will stay brightly lit until charging is completed. Charging usually takes up to two hours.

Please, fully charge the glasses prior to the first use.

Please note that the glasses can't be used during charging.

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Technical Specifications

3D Technology: Infrared Active Shutter Glasses
Lens type: LCD, TN cell
Sync Method: IR
HFR: Yes
Shuttering Frequency: 96 Hz to 240 Hz
Temperature: 5 – 45° C
Battery Life: more than 40 hours
Battery Type: Rechargeable Lithium-ion Polymer cell

Frame Specifications

Lens Size: 2,2” diagonal (58 mm)
Weight: 1.3 oz (37 g)
Dimensions (W x H x D): 6.7” x 1.6” x 6.5” (170 mm x 40 mm x 165 mm)
Frame Colour: Black



Troubleshooting

If the **glasses don’t turn on**, charge the glasses for at least 5 minutes. In case the glasses are not used for prolonged period of time, the battery may be discharged.

The glasses don’t work: make sure that the glasses are turned on and that the external emitter (in case your TV needs one) is plugged into the TV.

If **the glasses are turned on but problems persist** try to turn off the ambient lights or shade the windows if intensive sunlight is present.

Make sure that the IR emitter on the TV is not blocked by some object.

Make sure that the viewing angle and distance between the glasses and the IR emitter is not too large.

Try to reduce backlight / brightness level on your TV.

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Consult your TV Owner's Guide or on-line supplemental Owner's Guide for details concerning your TV's 3D Modes and settings.

Please note that at the very first use it may take up to one minute for the glasses to recognize the IR signal.



ATTENTION – Consult Accompanying Documentation

Important - Safety Instructions

» Read these instructions.
» Keep these instructions.
» Heed all warnings.
» Follow all instructions.
» Do not use this apparatus near water.
» Clean only with dry cloth.
» Only use the attachments/accessories specified by the manufacturer.



Battery

The 3D Glasses Battery is not user replaceable.

WARNING, Battery May Explode If Mistreated. Do Not Disassemble, Or Dispose of In Fire.

Viewers need to refer to the recommendations described below.

» Stop watching moving images, if you have any symptoms of headache, dizziness, nausea, malaise and any uncomfortable feelings that might be caused by the images. It is advisable to take a break for 5 min to 15 min every hour, even if the symptoms are not experienced.
» Make the viewing conditions comfortable by:
  - adjusting the illumination, sound and air conditioning in the room;
  - adjusting the height of the chair and desk to suit your physique;
  - adjusting the brightness, focus or any other parameters of your display terminal or operating devices.
» Guardians are encouraged to protect their children's health by controlling viewing conditions.
» Avoid unnecessary fatigue caused by overwork or lack of sleep, before watching visual products.

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» When watching stereoscopic images, do not incline your head relative to the horizontal direction of the images.
» Stop watching stereoscopic images if you notice double images. It is important that display devices be adjusted appropriately.
» The recommendations described in this list may apply to some visual products more than others.

Regulatory Compliance Statements

Caution: Any changes or modifications to this equipment not explicitly approved by X6D Limited shall void the user's authority to operate it.

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.

Hereby X6D Limited declares that the X105-IR-X1 is in compliance with the essential requirements and other relevant provisions of the EU Directive 2004/108/EC. The declaration of conformity may be consulted at http://www.xpand.me/products/xpand-3d-glasses-lite/declaration-of-conformity/

Technical Support

For direct support with XPAND Consumer products please contact us at:

(+1) 888.906.1190 or technicalsupport@xpand.me

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