

# **XPAND 3D Glasses Lite (RF)**

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

## *User Guide*



## Glasses Overview



- (1) Button (ON, OFF, Pairing) – located on the inner side of the right earpiece.
- (2) LED – located on the outer side of the right earpiece, near the earpiece hinge.

### What's Included

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

### Turning ON Your Glasses

- » Shortly press button (1) once.
- » Red LED (2) will light up from off to bright.
- » If the glasses cannot find a 3D host (like a 3D TV or a 3D emitter) within a few seconds, LED (2) will dim from bright to off and the glasses will automatically shut down. If the glasses do find the 3D host, they will automatically connect to it, indicated by lit LED (2) lighting up for 1 second.

### Turning OFF Your Glasses

- » Shortly press button (1) once.
- » Red LED (2) will light up brightly and then dim from bright to off.
- » The glasses will shut down.

### Proximity Association with 3D Host

Please note that XPAND 3D Glasses Lite RF can only pair with RF devices such as Bluetooth® / RF enabled TV's and RF emitters. They do not work with IR (InfraRed) 3D TV's or IR emitters.

This procedure shall be followed every time the glasses are introduced to a new 3D host. During the proximity association, the 3D glasses shall be located within 3ft (1m) from the 3D host (3D TV, 3D Emitter...).

- » Turn on the glasses.
- » LED (2) will light up from off to bright, indicating the glasses are turned on.
- » Press button (1) for at least 1 second.
- » After 1 second, the LED (2) will start to blink with a rate of 1 blink per 2 seconds.
- » Release button (1).
- » Successful proximity association is indicated with 6 short LED (2) blinks.
- » If the glasses could not associate with the 3D host, the LED (2) will dim from bright to off and glasses will turn off.

## Connecting Your Glasses to 3D Host

Once the glasses are associated with the 3D host, they will automatically connect to that host every time they are turned on. In case the glasses lose the connection with the 3D host during operation, they will automatically try to reconnect to that host (LED (2) is blinking with a rate of 1 blink per 2 seconds). If the glasses cannot successfully reconnect to the 3D host within 60 seconds LED (2) will dim from bright to off and the glasses will automatically turn off.

## Set Glasses to Operate in Dual View Mode

With the selection of Dual View Mode, the XPAND 3D Glasses Lite can be used for dual gaming. Dual View Mode can be used during normal 3D viewing as well to disable 3D viewing for people that face an uncomfortable feeling when watching 3D.

When the 3D host is emitting the dual view signal, double click on button (1) to change Dual View Mode between player 1 and player 2.

Not all 3D host devices support a dual view signal. When the 3D host is emitting a normal 3D signal, double click on the button (1) to change between player 1, player 2 and normal 3D viewing mode.

When a double click is detected, the LED (2) will indicate the eyewear mode:

**Player 1:** One Quick Blink

**Player 2:** Two Quick Blinks

**Normal 3D\*:** One Long Blink

\*Accessible only if the 3D device is not emitting dual view signal.

## Indicating the Battery State

- » If LED (2) flashes every couple of seconds during the operation, this indicates that the battery level is low.
- » Charging is indicated by a continuously lit LED (2).

## Charging the Battery

To charge the battery of the glasses, use the micro USB cable to connect the USB charging port on the glasses to a powered USB port (on a computer or a 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!**

## Technical Specifications

**3D Technology:** Active Shutter Glasses

**Lens type:** LCD, TN cell

**Sync Method:** RF (Radio Frequency, NOT InfraRed)

**Shuttering Frequency:** 96 Hz to 144 Hz

**Operating Temperature:** 5 – 45° C

**Battery Life:** more than 100 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





## **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.
- » 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

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

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

Hereby X6D Limited declares that the X105-RF-X1 (3D Glasses) are in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC. The declaration of conformity may be consulted at <http://www.xpand.me/products/xpand-3d-glasses-lite/declaration-of-conformity/>

This device complies with **Industry Canada** licence-exempt 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.

Le présent appareil est conforme aux CNR **d'Industrie Canada** applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## Technical Support

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

(+1) 888.906.1190 or [technicalsupport@xpand.me](mailto:technicalsupport@xpand.me)

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