

Getting Started

What's Included

- One (1) YOUiversal Electronic 3D Eyewear
- One (1) Glasses Case
- One (1) Multifunction port to USB cable
- One (1) Microfiber Cloth
- Two (2) Nosepieces

Compatibility

XPAND YOUiversal Electronic 3D Eyewear is compatible with all major brands of 3D LCD TVs, 3D DLP TVs and 3D Plasma TVs that use IR synchronisation with 3D eyewear (glasses won't work with TVs, laptops and projectors that use RF for 3D sync signal or passive displays). For YOUiversal 3D Eyewear to work with Samsung 2011 or later TV models, XPAND's RF Dongle (radio frequency extension) is necessary. It is available as an extra accessory.

Additionally XPAND equipped cinemas and some 3D capable personal computers are supported as well.

Warranty

1-year limited product repair / replacement warranty. For detailed warranty statement visit www.xpand.me/youiversal/

Functionality

Glasses Overview

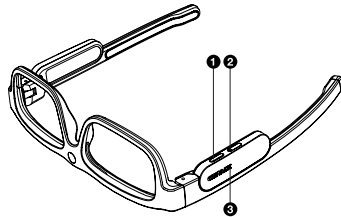
- (1) Button (ON, OFF, IR protocol selection, Dual View Mode selection)
- (2) Battery LED light
- (3) "X" LED light

Turning On/Off Your Glasses

- Step 1 ON: Press button (1) once.
- Step 2 "X" LED light (3) will ramp from off to bright.
- Step 3 OFF: Press button (1) once.
- Step 4 "X" LED light (3) will ramp from bright to off.

Glasses also automatically turn off if no valid sync is detected for 5 minutes.

The glasses remain turned on if plugged into USB power source.



Set Glasses to Operate With Your Device

- Step 1: XPAND YOUiversal Electronic 3D Eyewear support an automatic IR protocol detection. To start the auto detect process, press and hold the button (1) for 3 seconds.
- Step 2: »X« LED (3) will blink until auto detection is completed. Procedure may take up to one minute.
- Step 3: If auto detection was completed successfully, sit back and enjoy your program. The glasses will store detected IR protocol in memory and will always start up in this mode the next time you turn the glasses on.

Select Device Manually

- Step 1: Press and hold the button (1) for 3 seconds. Glasses will enter auto detect mode.
- Step 2: Press and hold the button (1) for 3 seconds again.
- Step 3: "X" LED light (3) will blink once, corresponding to a Samsung TV (See supported IR protocol codes below).
- Step 4: Press button once to step through the other device options until you get to desired IR protocol.
- Step 5: If you have selected the correct IR protocol then sit back and enjoy your program. Within 30 seconds the glasses will exit the programming mode and store your selection in memory. The glasses will always start up in this mode the next time you turn the glasses on.

Supported IR Protocol Codes

- | | |
|----------------------------|--|
| • Samsung* or Mitsubishi** | 1 Blink |
| • LG* | 2 Blinks |
| • Sony** | 3 Blinks |
| • Panasonic | 4 Blinks |
| • Philips** or HP or JVC | 5 Blinks |
| • XPAND Emitter | 6 Blinks |
| • Nvidia | 7 Blinks |
| • Vizio | 8 Blinks |
| • Bang and Olufsen | 9 Blinks |
| • Sharp | 10 Blinks |
| • Acer | 11 Blinks |
| • XPAND Cinema | (entered automatically whenever sync is present) |

* LG TV models that don't use IR sync are not supported. For use with Samsung 2011 or later TV models XPAND's RF Dongle is required.

** Some TV models require the use of external emitter; please check with your TV manufacturer.

Set Glasses for Use in XPAND Equipped Cinemas

Simply turn the glasses on and XPAND Cinema mode will be entered automatically.

Set Eyewear to Operate in Dual View Mode

With the selection of Dual View Mode XPAND YOUiversal Electronic 3D Eyewear 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 uncomfortable feeling when watching 3D.

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

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

When double click is detected, "X" LED light (3) indicates 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 sync.

Indicating Battery State

If red battery LED (2) flashes every couple of seconds, battery level is low. LED indicates low battery state only when glasses is turned on.

Charging is indicated with orange battery LED (2) flashing every second.

When battery is fully charged, battery LED (2) turns green.

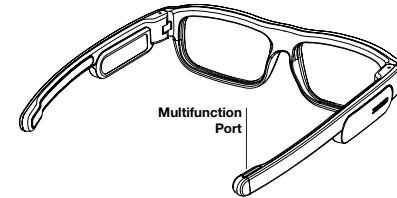
Charging the Battery

To **charge** the glasses, use the attached cable to connect the multifunction port at the tip of the earpiece of the glasses to a powered USB port (computer or wall charger with USB compliant output). Orange battery LED (2) will flash while charging. When battery is fully charged, battery LED (2) is illuminated green until power supply is removed from the glasses.

To use the glasses for 3D viewing while connected to a PC, press the button (1) to stop communication between the glasses and PC. The eyewear will continue to charge normally. Please make sure the battery is fully charged before first use of the glasses.

Connecting Glasses to a PC

By connecting glasses to a PC and using the XPAND PC application, one can easily change desired IR protocol, custom set shutters timings and upgrade glasses firmware. To access these settings, XPAND PC application has to be installed on the PC. The application can be downloaded from www.xpand.me/youiversal/. Please refer to the PC application user manual for instructions how to use it.



Specifications

Product Weight: 1.55 oz (46 g) - small and medium size; 1.66 oz (47g) - large size

Power Supply: Battery type: Rechargeable Lithium-ion Polymer 3.7Vdc / 0.135A

Operating Temperature: 5 °C (41 °F) – 40 °C (104 °F)

For further information see XPAND web site at www.xpand.me



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



Battery is not user replaceable.



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



WARNING: Only use a USB compatible port for charging the eyewear! Failure to follow these instructions may result in damage to the glasses or serious injury.

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.

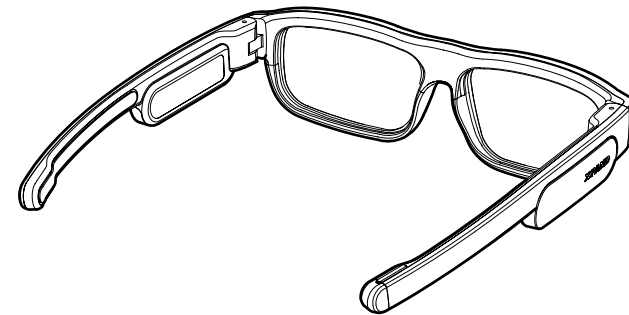
- The recommendations described in this list may apply to some visual products more than others.

Regulatory Compliance Statement

Note: 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.



XPAND YOUniversal Electronic 3D Eyewear Quick Install User Guide

Technical Support

For direct support with XPAND Consumer products please contact us at:
technicalsupport@xpandvision.com

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V I S I O N