

Getting Started

What’s Included

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

Compatibility

XPAND YOUNiversal 3D glasses are 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 YOUNiversal 3D Glasses to work with TVs that use radio frequency for 3D sync signal, XPAND's RF Dongle (radio frequency extension) is necessary. It is available as 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/youuniversal/

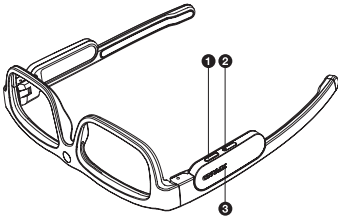
Functionality

Glasses Overview

(1) Button (ON, OFF, IR protocol 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.

Set Glasses To Operate With Your Device

- Step 1 XPAND YOUNiversal 3D glasses 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 6 seconds.
- 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 or M-3DI devices | 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 2011 TV models are not supported, whereas Samsung 2011 TV models require XPAND RF Dongle.

** 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.

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 are turned on.

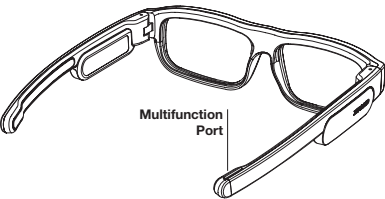
Charging is indicated with orange battery LED (2) flashing every second.

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

Charging the Battery

To **charge** glasses, plug the multifunction port to USB cable to multifunction port on one side and in computer or other USB device capable of supplying power (wall charger) on the other. 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.

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 app can be downloaded from www.xpand.me/youuniversal/.

To select desired IR protocol, connect multifunction port to USB cable to the glasses and PC. Run XPAND PC application. Select protocol from drop down menu. Unplug multifunction port to USB cable from the glasses. The glasses are now set.

To change advanced shutter timings, click on “Show advanced options”. In XPAND PC application click and drag two slides corresponding to “open delay” and “close delay” and set desired timings. To discard any changes made click “Reset to default” button. Advanced option menu is closed with click on “Hide advanced options”.

To upgrade firmware on the glasses turn glasses on and plug multifunction port to USB cable to the PC and on the other end to the glasses. Launch the XPAND PC application and click on the “Application update available” or “check for update” button. Ensure that the PC is connected to the Internet. The glasses will be updated from server automatically on confirming that you want to update glasses with newest firmware. If you want to update from file, click “No” in the “Download firmware” dialog box and then choose the desired file. Update takes some time. When the operation is complete, a dialog box confirms successful update. Do not unplug multifunction port to USB cable during update process!

Eyewear 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)



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



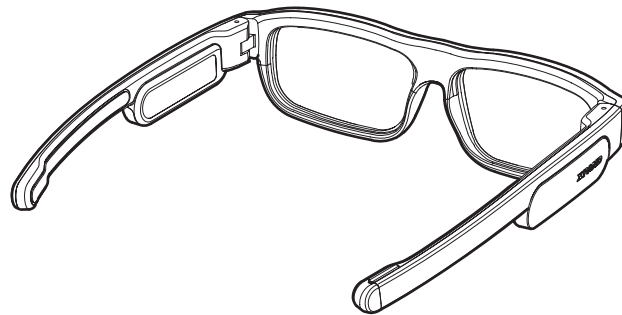
Battery is not user replaceable.



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

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.



XPAND YOUiversal Electronic 3D Eyewear Quick Install User Guide

Technical Support

For direct support with XPAND Consumer products please contact us at:
(+1) 888.906.1190 or
technicalsupport@xpandcinema.com

