

XPAND YOUiversal PC Application User Manual

Application Setup

Download **XPAND_YOUiversal_fw_updater_setup.exe** and follow the steps to complete the installation.

Application first run

1. Connect the glasses to PC with attached USB cable.
2. Run the YOUiversal Firmware updater application.
3. Application show registration form window. Enter all required data into fields and press "Register" to complete the registration. Product serial number is printed on inner side of glasses left earpiece.

Application overview

XPAND YOUiversal PC App enables you to:

- Upgrade 3D glasses firmware
- Set IR Protocol
- Set shutter delays
- Upgrade YOUiversal Firmware updater application

To be able to run those functions, please make sure you have an active Internet connection.

Upgrading 3D Glasses Firmware

3D Glasses Firmware Upgrade function allows user to update glasses firmware in case of new firmware releases. Application can automatically detect if there is available newer version of 3D glasses firmware on application start and also by clicking the "Check for updates" button while glasses are connected to PC.

Procedure:

1. Run YOUiversal Firmware updater application.
2. Connect 3D glasses to PC and click on "Check for updates" button. If your 3D glasses firmware version is lower than the current release, you can upgrade it by clicking the "Upgrade firmware*" button. Make sure that there is only single XPAND device connected to the PC.
3. License agreement window appears. If you click on "I agree" button, the upgrading procedure will start. Important: DO NOT DISCONNECT the glasses from PC during the glasses upgrade procedure!
4. When glasses upgrade is completed, application will prompt user to disconnect the glasses from PC.

Note: If during the 3D glasses firmware upgrade procedure application shows some error, disconnect the glasses from PC, restart the application and repeat the update procedure.

Note: If application shows message "A device in recovery mode was detected" click "Yes" and proceed with step 3.

Note: IR protocol and shutter delays settings do not effect on firmware upgrade procedure.

Setting IR Protocol

User can select among 10 different IR protocols:

- Samsung/Mitsubishi
- LG
- Sony
- Panasonic/M-3DI devices
- Philips/HP/JVC
- XPAND Emitter
- Nvidia
- Vizio
- Bang and Olufsen
- Sharp
- Acer

Procedure:

1. Run YOUiversal Firmware updater application.
2. Connect 3D glasses to PC and select desired IR protocol from "Select IR protocol" combo box.
3. Selected protocol is displayed under "Currently Selected IR Protocol" label.

Note: IR protocol setting will be applied after disconnecting glasses from PC. It will then remain as set till user change it again via YOUiversal Firmware updater application or manually via glasses user interface (refer to glasses user manual).

Setting Shutter Delays

Under the 3D Glasses Advanced Options, user can customize shutter open and close delay settings.

Procedure:

1. Run YOUiversal Firmware updater application.
2. Connect 3D glasses to PC.
3. You can change settings by moving two sliders under the 3D Glasses Advanced Options.
4. Settings are automatically changed and saved to 3D glasses.

Warning: Changing these settings may cause interference effect in glasses. If such effects appear, reset the settings to default values by clicking the "Default" button.

Note: Shutter delays settings will be applied after disconnecting glasses from PC. Changing the IR protocol settings via YOUiversal Firmware updater application or manually via glasses user interface (refer to glasses user manual) does set shutter delays to default values.

Upgrading YOUiversal Firmware Updater Application

YOUiversal Firmware updater application automatically checks for application updates on application startup. If there is a newer version available, user will be prompted to update it.