FXC REMOTE

FXC-W-US

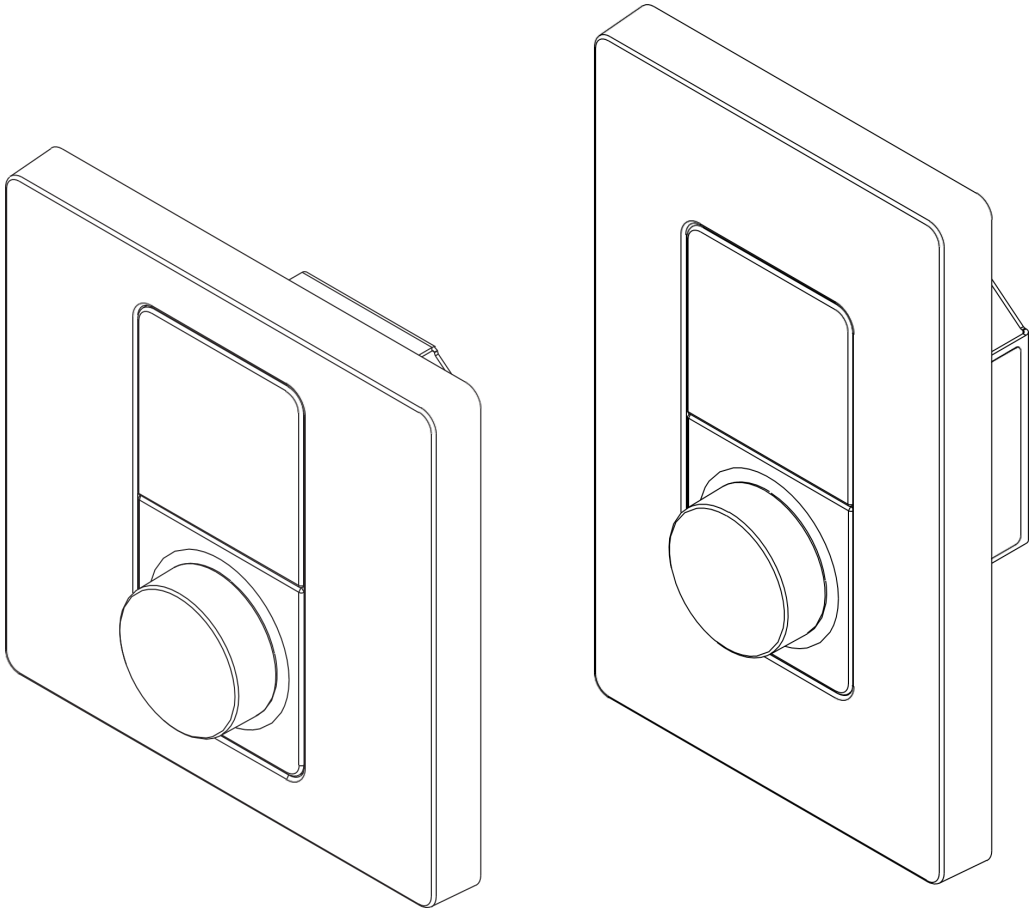
FXC-B-US

FXC-W-EU

FXC-B-EU

Note: These remotes will only work with Ashly FX amplifiers running firmware v1.6.8 or higher. You may update the firmware for your FX amplifier by downloading it here.

Operating Manual



Technical and Safety Notices

Please read the following important technical, safety and environmental notices before installing and using your amplifier.

Technical Notices

All reasonable design and engineering steps have been taken to ensure that these amplifiers always perform satisfactorily in their intended application and environment and will provide appropriate levels of support to ensure that all reasonable customer needs and expectations are met. Such support however is contingent on the following provisions.

These amplifiers are Class-I products and should be installed with a mains cable including the required earth connection to comply with the Safety Class-I.

These amplifiers should always be installed by competent and qualified personnel. Amplifier damage or failure caused by installation or operational errors may invalidate support, warranty or guarantees of performance.

These amplifiers are not suitable for use in locations where they may be accessible to minors.

These amplifiers are intended to be used specifically for the amplification of audio signals and for connection to moving-coil loudspeaker systems. Use of these amplifiers for amplification of signals outside the audio band (20Hz to 20kHz) or to drive transducers other than moving-coil loudspeakers may invalidate support, warranty or guarantees of performance.

These amplifiers should only be used within professionally installed and configured audio systems comprising input and output ancillary equipments that is known to be of an appropriate level of performance and in good operating condition. Any damage to, or unsatisfactory performance from, these amplifiers caused by inadequate or failed input or output ancillaries may invalidate support, warranty or guarantees of performance.

These amplifiers are intended to be installed and operated indoor in a controlled environment (pollution degree, PD2) within an ambient temperature range of 0°C to 40°C. These amplifiers are not intended for use above 2000 meters above sea level. Amplifiers installation or operated in environments outside these limits may invalidate support, warranty or guarantees of performance.

Specific warranty terms are the responsibility of the amplifier re-seller.

Safety and Environmental Notices

Note: The intent of the lightning flash with arrowhead symbol in a triangle is to alert the user to the presence of uninsulated "dangerous" voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.

Note: The intent of the exclamation point within an equilateral triangle is to alert the user to the presence of important safety, and operating and maintenance instructions in this manual.

WARNING! TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

Ambient Temperature Note: If this equipment is operated in a confined or multiple rack installation, the internal ambient operating temperature may exceed the external ambient temperature. It is important to ensure in these circumstances that the published maximum operating temperature for the equipment is not exceeded.

Reduced Air Flow: Ensure that rack or other closed installation does not restrict the cooling airflow required for safe and reliable operation of the equipment.

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Important Safety Instructions and Environmental Statement

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Do not submerge the equipment in water or liquids.

Do not use any aerosol spray, cleaner, disinfectant or fumigant on, near or into the equipment.

Clean only with a dry cloth.

Do not block any ventilation opening. Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

To reduce the risk of electrical shock, the power cord shall be connected to a mains socket outlet with a protective earthing connection.

Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Do not unplug the unit by pulling on the cord, use the plug.

Only use attachments/accessories specified by the manufacturer.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

The appliance coupler, or the AC Mains plug, is the AC mains disconnect device and shall remain readily accessible after installation.

Adhere to all applicable, local codes.

Consult a licensed, professional engineer when any doubt or questions arise regarding a physical equipment installation.

Environmental Statement

This product complies with international directives, including but not limited to the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment, the Registration, Evaluation, Authorization and restriction of Chemicals (REACH) and the disposal of Waste Electrical and Electronic Equipment (WEEE). Consult your local waste disposal authority for guidance on how properly to recycle or dispose of this product.

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FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference

This device must accept any interference received, including interference that may cause undesired operation

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 both a commercial and 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.

Unpacking

As a part of our system of quality control, every Ashly product is carefully inspected before leaving the factory to ensure flawless appearance.

After unpacking, please inspect for any physical damage. Save the shipping carton and all packing materials, as they were carefully designed to reduce to a minimum the possibility of transportation damage should the unit again require packing and shipping. In the event that damage has occurred, immediately notify your dealer so that a written claim to cover the damages can be initiated.

The right to any claim against a public carrier can be forfeited if the carrier is not notified promptly and if the shipping carton and packing materials are not available for inspection by the carrier. Save all packing materials until the claim has been settled.

About Ashly

Ashly Audio was founded in 1974 by a group of recording engineers, concert sound professionals, and electronics designers. The first products were elaborate custom consoles for friends and associates, but business quickly spread to new clients and the business grew.

The philosophy we established from the very beginning holds true today: to offer only the highest quality audio tools at an affordable cost to the professional user – ensuring reliability and long life. Years later, Ashly remains committed to these principles.

Ashly's exclusive five-year, worry-free warranty remains one of the most generous policies available on any commercial- grade product. The warranty covers every product with the Ashly brand name, and is offered at no extra cost to you.

Please read this entire manual to fully understand the features and capabilities of this product.

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1.1 Device Description

FXC is a wall mounted device designed for remote control of input & zone mix volume level on a connected Ashly FX amplifier.

Each FXC device can control one zone only. For example, the remote control of four zones would require four devices – each assigned to one of the 4 individual zones.

Multiple FXC devices can be assigned to the same zone, although it is not recommended to connect more than eight FXC devices per FX amplifier.

1.2 Device Requirements

IMPORTANT! FXC remotes are only compatible with Ashly FX Amplifiers running firmware version 1.6.8 or higher.

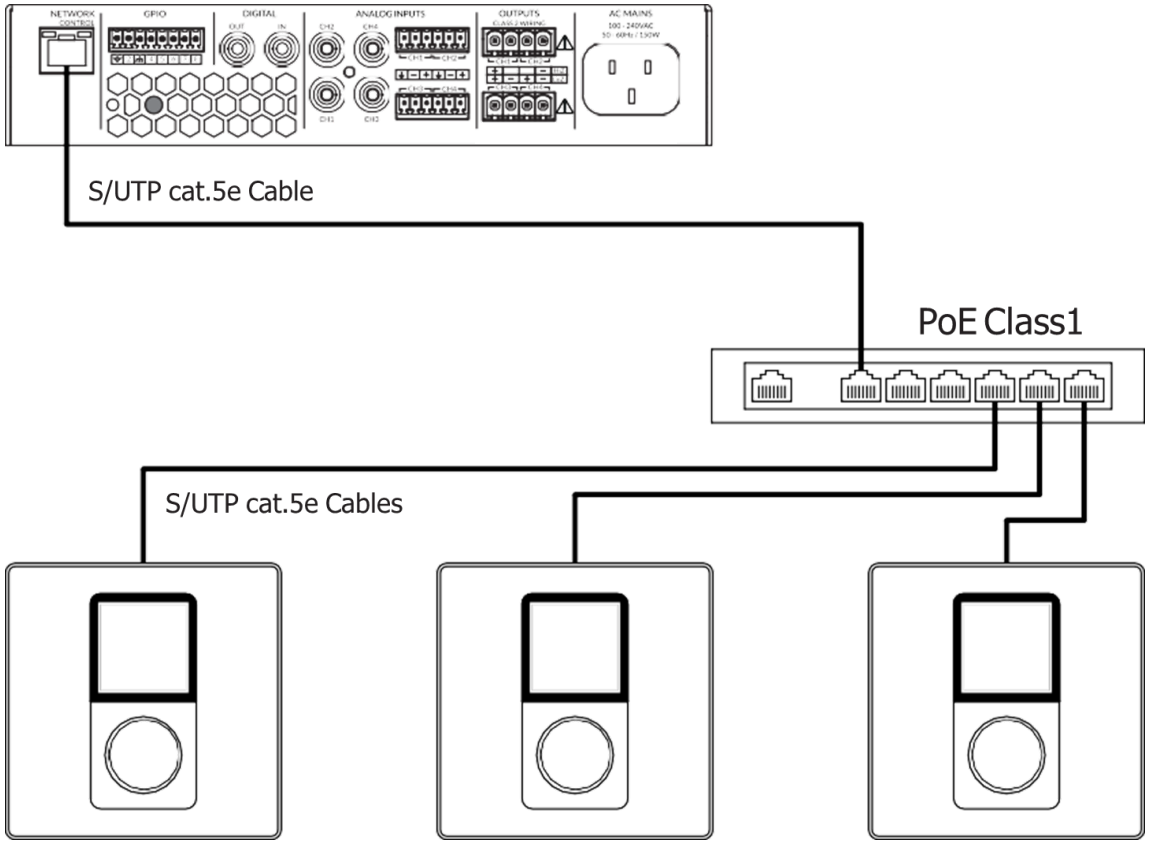
Be sure to verify/update the FX amplifier firmware to v1.6.8 or higher before attempting to install and configure FXC devices. Visit ashly.com/firmware-updates/ to obtain the latest FX amplifier firmware.

Note that the FXC is not self powered. Power is supplied to the device with the use of a standard PoE Switch (or PoE injector) and Cat5 cable (or above).

Connection

2.1 Device Connection

The illustration below outlines how to connect multiple FXC devices to an Ashly FX amplifier, via the use of a standard PoE network switch and Cat5 cable.



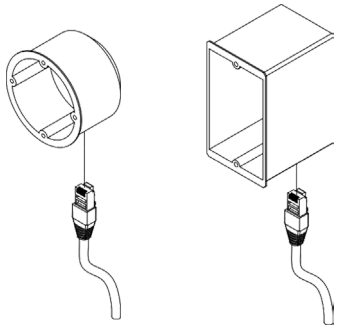
Mounting

3.1 Device Mounting

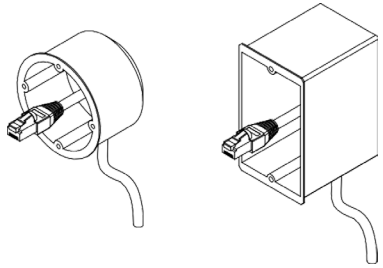
Please note that this product does NOT include the in-wall mounting electrical box and installation screws required to install the controller.

Use a commercially available in-wall mounting electrical box and installation screws suitable for the specific wall material and installation situation.

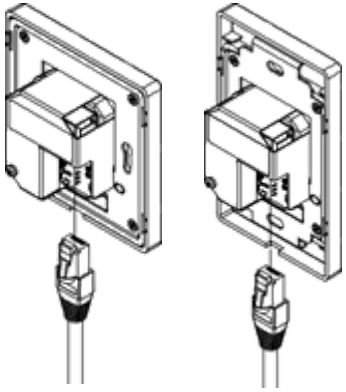
1. Feed the Ethernet cable through the electrical box.



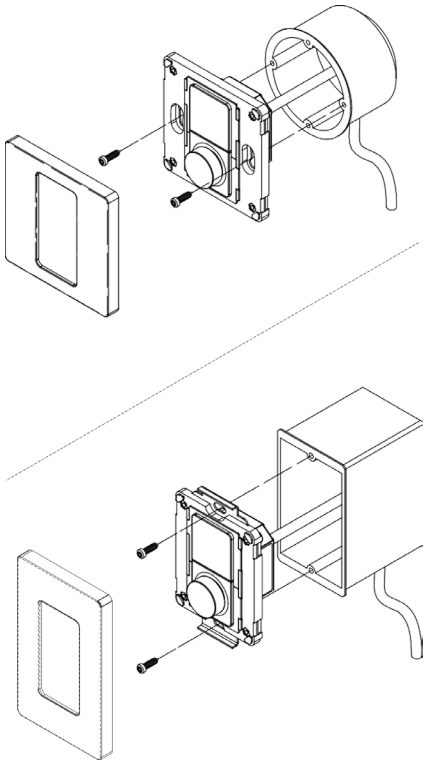
2. Mount the electrical box into the wall.



3. Connect the Ethernet cable to the FXC unit.



4. Pry off the plastic front panel. Screw the FXC unit into the electrical box. Replace the plastic front panel and snap it into place.



Operation

4.1 Device Operation

The FXC has been designed for easy and intuitive operation.

Once installed and configured, the user operates all the device's functions via a highly tactile rotary encoder dial, with all relevant information presented via a high resolution display screen.

- The dial is highly sensitive which makes menu navigation and unit adjustments a frustration free experience.
- When navigating a menu or adjusting a setting by rotating the encoder dial, the user feels a tactile change in the units via a subtle 'clicking' sensation from the dial through their fingers.
- When operating the device by pressing and releasing the rotary encoder dial, the user can both feel and hear a clear click – thereby confirming the action taken.

The three primary functions of the device are operated as outlined below.

1. Twisting the rotary encoder allows the user to adjust volume and navigate menu options.

- Twisting the rotary encoder to the left (counter-clockwise) turns down the volume and twisting it to the right (clockwise) turns up the volume.

2. Tapping the rotary encoder allows the user to change input source.

- Switching between input sources is performed by tapping the rotary encoder dial, twisting the rotary encoder to view the

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source inputs available; and confirming the desired choice by tapping the rotary encoder once more.

3. Pressing and holding the rotary encoder allows the user to access the settings menu.

- Note that access to the settings menu can also be restricted via use of optional PIN code protection – activated and configured within the settings section of the FX Web App.

Setup

5.1 Device Setup

Note: When connecting multiple FXC devices to a single amplifier, we recommend completing all stages of the setup process for the first device, before connecting and configuring a subsequent device.

Step 1: Start Up Device

Once the FXC device is receiving power via the connected Ethernet cable, the product will power up and display the Ashly logo for a few seconds. The Ashly logo will disappear and be replaced by the setup screen. The setup screen displays the following:

- Device pairing code
- Option to change IP address ["Edit IP Settings"]

Step 2: Edit the Device's IP Setting (if required)

When the device is connected to an FX amplifier via a network router, the FXC device will be automatically assigned an IP address (dynamic DCHP) – this is the default setting, and in this situation, there is no need to edit the IP settings.

However, if the device is connected to an Ashly FX amplifier via a network switch, or directly through a PoE injector, you must change the IP settings to static IP.

On initial setup, this can only be done via the FXC device itself, and is performed by following the steps outlined below.

1. Tap the rotary encoder to confirm the action to "Edit IP Settings"

2. On the display you will be presented with a set of options. Twist the rotary encoder one click to the left (counter-clockwise) and tap the rotary encoder to confirm the selection of the

option labeled "MODE".

3. Tap the rotary encoder to confirm the selection of the option labeled "Static".

4. You will be automatically returned to the previous menu.

IMPORTANT – If this is the first FXC remote being connected to your amplifier, proceed to step 5. Jump to Step 12 if this is not the first device you are connecting to the same amplifier!

5. Twist the rotary encoder 4 clicks to the right (clockwise) to navigate to the option labeled "Back".

6. Tap the rotary encoder to confirm the selection of the option "Back".

7. You will be presented with the question "Apply IP Changes?"

8. Tap the rotary encoder to confirm the selection of the option labeled "Yes".

9. You will now be presented with the exact same display as at the beginning of the process, showing a pairing code – like that shown in the image below.

10. You have now completed the necessary steps for editing the IP settings required when configuring the first device to be connected to the amplifier.

IMPORTANT – When connecting more than one FXC device to the same amplifier, additional actions (as described beginning with step 12) must be taken after Step 5 to ensure each device has a unique IP address.

11. Twist the rotary encoder one click to the right (clockwise) and tap the rotary encoder to confirm the selection of the option labeled "Address".

12. Tap the rotary encoder multiple times until the last digit of the IP address is selected.

13. Twist the rotary encoder right (clockwise) to change the final digit of the IP address for this device – so it is not matching those of any other device also linked to the same amplifier. (e.g., for the second device change the final digit to #2; for the third device change the final digit to #3, and so forth).

14. Tap the rotary encoder to confirm the change and exit (as advised on the screen).

15. Twist the rotary encoder 3 clicks to the right (clockwise) to navigate to the option labeled "Back".

16. Push the rotary encoder to confirm the selection of the option "Back".

17. You will be presented with the question "Apply IP Changes?"

18. Twist the rotary encoder one click to the left (counter-clockwise) and tap the rotary encoder to confirm the selection of the option labeled "Yes".

19. You will now be presented with the exact same display as at the beginning, showing a pairing code.

20. You have now completed the necessary steps for editing the IP settings required when configuring the second, third or further FXC device to be connected to the FX amplifier.

Step 3: Connect to the amplifier using the FX Control Web App.

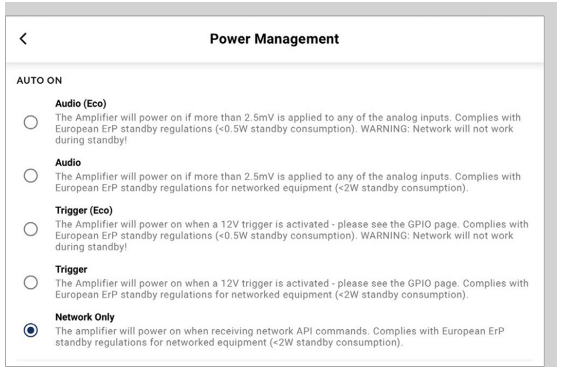
If you haven't already, connect now to the Ashly FX amplifier via your phone, tablet or computer using the FX Control Web App.

Refer to the FX amplifier manual if you need a reminder on how to do this.

IMPORTANT –After connecting to the amplifier, we strongly recommend changing the Power Management setting to "Network Only". There are two main reasons for this recommendation:

- The default setting labeled "Audio" can potentially block the (optional) function of being able to successfully power down the amplifier directly from the wall controller.

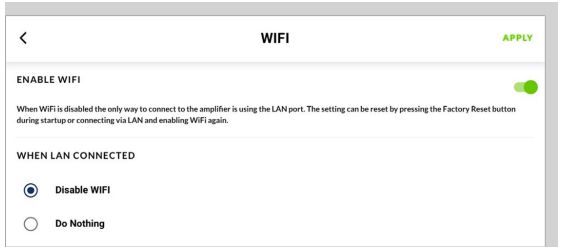
- Setting Power Management to one of the Eco modes ["Audio (Eco)" or "Trigger (Eco)"] is also not recommended, as under these settings the amplifier can easily lose connection with the networked devices.



IMPORTANT - If accessing the Web App by connecting to the amplifier via a wired (Ethernet) network connection, we strongly recommend changing the WIFI settings as outlined below.

- Under the 'Settings Menu', go to 'WIFI' settings and select the option "Disable WIFI" when LAN connected. Then click "APPLY" in the upper right hand corner.

Making this adjustment to the WIFI settings will not only avoid any potential IP address conflict, but also better secure access to the amplifier and its networked devices.



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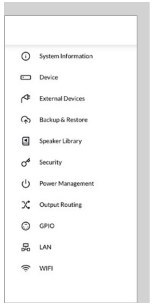
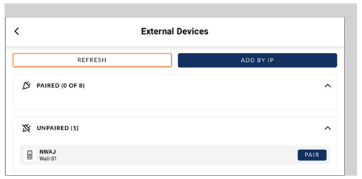
Step 4: Pair the device with the amplifier

To pair the FXC device with the Ashly FX amplifier, navigate to the menu 'Settings'> 'External Devices' in the Web App.





The FXC device you are configuring will be displayed under 'Unpaired' devices.

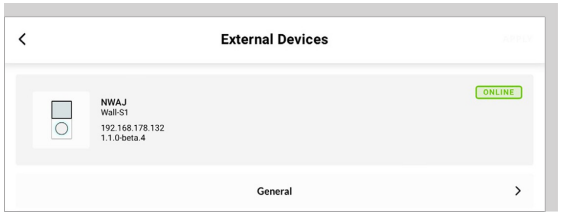
Pair the device by clicking the button labeled "PAIR" next to the respective FXC device.

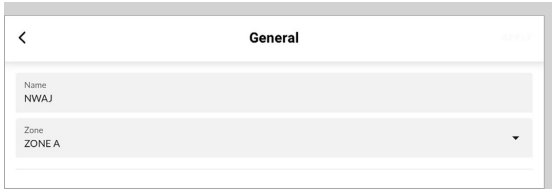
The process of pairing the FXC device with the Ashly FX amplifier takes just a few seconds. Once pairing is successful, the device will be shown under 'paired devices' in the web app, and the green "ONLINE" icon will be displayed alongside it.

Step 5: Select the audio zone the device is intended to control

In the FX Control Web App, click on the device shown within the paired devices menu and navigate to the tab labeled "General".

Assign the FXC device to a specific audio zone by selecting the desired zone from the drop-down zone menu (e.g., Zone A) that the device is intended to control.





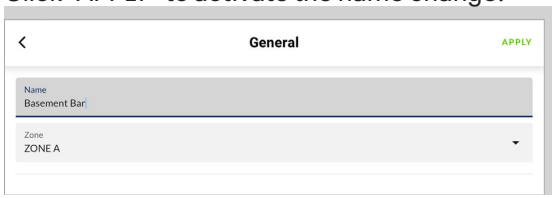
Notice how the new name of the zone associated with the wall controller is instantly displayed at the top of screen of the FXC device.

Step 6: Name the device

Under the tab labeled "General" you are now able to type in a name for the device.

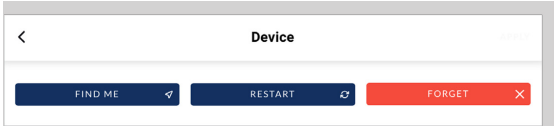
We recommend using a name that describes the device's point of installation or usage (e.g., 'Basement Bar').

Click "APPLY" to activate the name change.



The FXC device is now configured and able to remotely control the volume and source input of the zone it is associated with.

Individual FXC device identification can be established by selecting the 'Find Me' option in the 'Settings'> 'External Devices'> 'Device' tab in the Web App. The display and rotary encoder illumination of the connected FXC device will flash until the 'Find Me' button is pressed again.



Configuration

6.1 Amplifier Power On/Off Feature

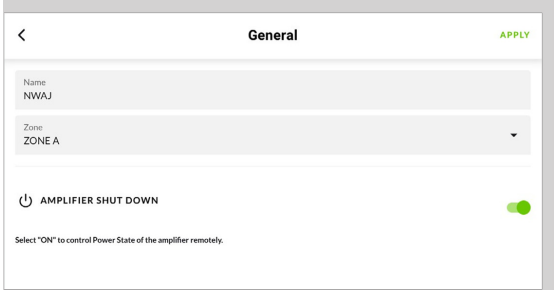
The amplifier can be powered on or off directly from the FXC device.

By default, this function is not active, and so needs to be first activated within the settings of the device via the FX Control Web App.

Under the 'Settings'> 'External Devices'> 'General' tab, there is an option at the bottom labeled "AMPLIFIER SHUT DOWN", and a toggle switch to the right.

First, toggle the switch so it displays as active (green).

Secondly, click "APPLY" in the top right hand corner to activate the feature.



Once the feature has been activated, it is possible for the amplifier to be both powered on and off, directly from the FXC device.

To turn the amplifier off (into standby mode), follow the steps outlined below.

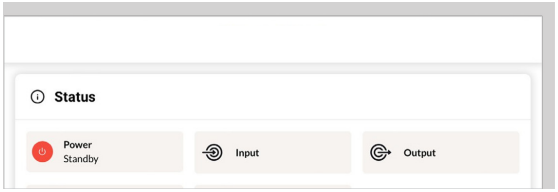
1. Press and hold the rotary encoder until the option "Power Off Amp" appears (shows below the setting menu when the feature is activated).

2. Tap the rotary encoder to confirm the selection of the option action "Power Off Amp".

3. You will be presented with the question "Power Down Amplifier?"

4. Twist the rotary encoder to highlight the option "Yes" and tap the rotary encoder to confirm the selection.

When the amplifier is in standby power mode, it will be communicated via both the dashboard section of the Web App, and on the display screen of the FXC device itself.



To turn the amplifier on (back from standby mode), follow the steps outlined below.

1. Tap the rotary encoder.

2. You will be presented with the question "Power Up Amplifier?"

3. Twist the rotary encoder to highlight the option "Yes" and tap the rotary encoder to confirm the selection.

6.2 Display Screen Backlight Settings: Brightness - Customization

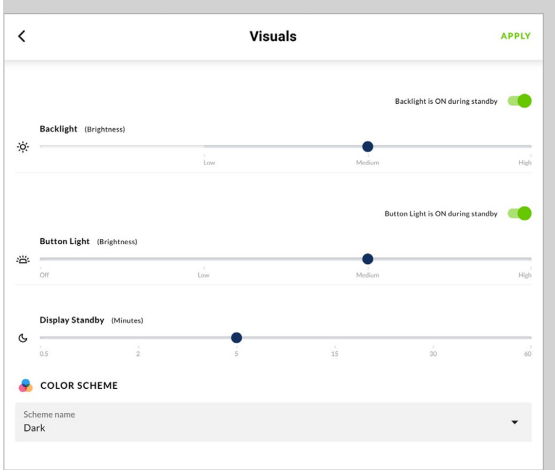
Thanks to the LCD display the user can clearly see the zone the controller is associated with, the audio source input that is selected and the current volume level. The high resolution screen provides enough space for a font size adequate for the user to read and navigate text and menu settings.

The intensity of the display screen's backlight can be adjusted to suit the use environment and user preference. The adjustment can be made directly on the wall controller itself or changed within the FX Control Web App.

Three setting levels are possible:

- Low (least bright)
- Medium
- High (most bright)

In the FX Control Web App, click on the device shown within the paired devices menu and navigate to the tab labeled "Visuals". Select the preferred brightness level and, then click the button labeled "APPLY" in the top right hand corner to activate the change.



The intensity of the display screen's backlight can also be customized within the settings menu of the FXC device itself. To change the intensity of the display screen's backlight via the FXC device, follow the steps outlined below.

1. Press and hold the rotary encoder until the settings menu appears.

2. Tap the rotary encoder to confirm the selection of the "Settings" menu.

3. Tap the rotary encoder to confirm the selection of the "Visuals" menu.

4. Tap the rotary encoder to confirm the selection of the "Backlight" menu.

5. Twist the rotary encoder left and right to explore the options available, as shown on the screen.

6. Tap the rotary encoder to confirm the desired intensity of the display screen's backlight.

7. Twist the rotary encoder one click to the right (clockwise) to navigate to the option labeled "Back".

8. Tap the rotary encoder to confirm the selection of the option action "Back".

9. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled "Back".

10. Tap the rotary encoder to confirm the selection of the option action "Back".

11. You will be presented with the question "Apply Visual Changes?"

12. Twist the rotary encoder to highlight the option "Yes" and tap the rotary encoder to confirm the selection .

13. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled "Back".

14. Tap the rotary encoder to confirm the selection of the option action "Back".

15. You are now returned to the primary screen view displaying the zone, source input and volume level of the associated zone.

6.3 Display Screen Backlight Settings:

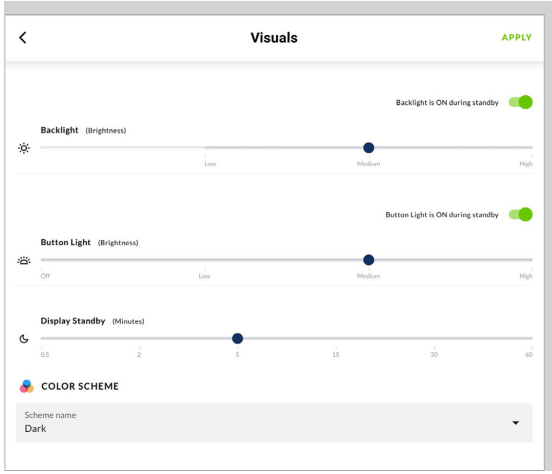
Standby - Customization

To enhance the user experience, the backlight of the display can also be deactivated, when the FX is in standby mode.

This feature is especially valuable when lighting conditions of the room change – e.g., from bright sunlight during the day to darker conditions in the evening. Please note that when the backlight is deactivated, the screen appears completely blank to the user, and no longer communicates the zone, source input or volume level of the associated zone. The adjustment can be made directly on the wall controller itself or changed within the FXC Control Web App.

Using the Web App "Visuals" tab, first move the toggle switch to the left – so the text "Backlight is OFF during standby" is displayed.

Afterwards, click the button labeled "APPLY" in the top right hand corner to activate the feature.



The FXC display screen can also be deactivated when in standby standby mode from within the settings menu of the FXC device.

To deactivate the screen display when the FXC is in standby mode using the FXC device settings menu, follow the steps outlined below:

1. Press and hold the rotary encoder until the settings menu appears.

2. Tap the rotary encoder to confirm the selection of the "Settings" menu.

3. Tap the rotary encoder to confirm the selection of the "Visuals" menu.

4. Tap the rotary encoder to confirm the selection of the "Backlight" menu.

5. Twist the rotary encoder one click to the left (counter-clockwise) to navigate to the option labeled "Standby".

6. Tap the rotary encoder to confirm the selection of the "Standby" menu.

7. Twist the rotary encoder left and right to toggle between the display standby options "ON" and "OFF".

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8. Tap the rotary encoder to confirm your preferred display standby setting (ON means display screen backlight remains on even when the FXC device is in standby mode).

9. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled "Back".

10. Tap the rotary encoder to confirm the selection of the option action "Back".

11. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled "Back".

12. Tap the rotary encoder to confirm the selection of the option action "Back".

13. You will be presented with the question "Apply Visual Changes?"

14. Twist the rotary encoder to highlight the option "Yes" and tap the rotary encoder to confirm the selection.

15. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled "Back".

16. Tap the rotary encoder to confirm the selection of the option action "Back".

17. You are now returned to the primary screen view displaying the zone, source input and volume level of the associated zone.

6.4 Rotary Encoder Dial Backlight Settings: Brightness - Customization

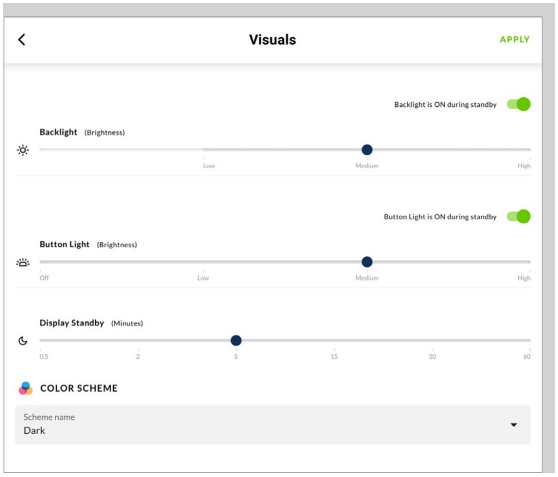
The intensity of the backlight behind the rotary encoder dial can be adjusted to suit the use environment and user preference. Four setting levels are possible:

- Off (no light)
- Low (least bright)
- Medium
- High (most bright)

The adjustment can be made directly on the wall controller itself or changed within the FXC Control Web App.

Using the Web App, the intensity of rotary encoder dial backlight can be quickly changed via the slider located at in the center of the "Visuals" tab.

Simply choose the preferred brightness level and, then click the button labeled "APPLY" in the top right hand corner to activate the change.



The intensity of the backlight behind the rotary encoder dial can also be customized within the settings menu of the FXC device itself. To change the intensity of the backlight behind the rotary encoder dial via the FXC device, simply follow the steps outlined below.

1. Press and hold the rotary encoder until the settings menu appears.

2. Tap the rotary encoder to confirm the selection of the "Settings" menu.

3. Tap the rotary encoder to confirm the selection of the "Visuals" menu.

4. Twist the rotary encoder one click to the right (clockwise) and tap the rotary encoder to confirm the selection of the option labeled "Button Light".

5. Tap the rotary encoder to confirm the selection of the option labeled "Brightness".

6. Tap the rotary encoder to confirm the selection of the "Brightness" menu.

7. Twist the rotary encoder left and right to toggle between the four options "OFF"; "LOW"; "MID"; "HIGH".

8. Tap the rotary encoder to confirm your preferred setting.

9. Twist the rotary encoder 1 click to the right (clockwise) to navigate to the option labeled "Back".

10. Tap the rotary encoder to confirm the selection of the option action "Back" .

11. Twist the rotary encoder 1 click to the right (clockwise) to navigate to the option labeled "Back".

12. Tap the rotary encoder to confirm the selection of the option action "Back".

13. You will be presented with the question "Apply Visual Changes?"

14. Twist the rotary encoder to highlight the option "Yes" and tap the rotary encoder to confirm the selection.

15. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled "Back".

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16. Tap the rotary encoder to confirm the selection of the option action “Back”.

17. You are now returned to the primary screen view displaying the zone, source input and volume level of the associated zone.

6.5 Rotary Encoder Dial Backlight Settings:

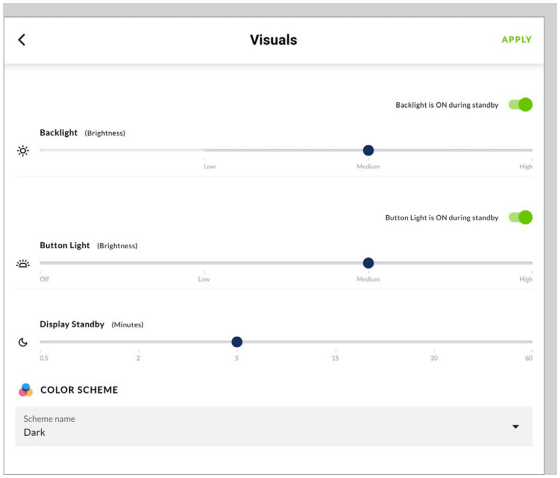
Standby - Customization

To facilitate the ideal user experience, the backlight of the rotary encoder dial can also be deactivated, when the display is in standby mode.

This feature is especially valuable when lighting conditions of the room change – e.g., from bright sunlight during the day to darker conditions in the evening.

The adjustment can be made directly on the wall controller itself or changed within the FX Control Web App. Using the Web App, first move the toggle switch to the left – so the text “Button Light is OFF during standby” is displayed.

Afterwards, click the button labeled “APPLY” in the top right hand corner to activate the feature.



The backlight of the rotary encoder dial can also be deactivated when the display is in standby mode, within the settings menu of the FXC device itself.

To deactivate the backlight of the rotary encoder dial when the display is in standby mode via the FXC device, follow the steps outlined below.

1. Press and hold the rotary encoder until the settings menu appears.

2. Tap the rotary encoder to confirm the selection of the “Settings” menu.

3. Tap the rotary encoder to confirm the selection of the “Visuals” menu.

4. Twist the rotary encoder one click to the right (clockwise) and tap the rotary encoder to confirm the selection of the option labeled “Button Light”.

5. Twist the rotary encoder one click to the left (counter-clockwise) and tap the rotary encoder to confirm the selection of the option labeled “Standby”.

6. Twist the rotary encoder left and right to toggle between the display standby options “ON” and “OFF”.

7. Tap the rotary encoder to confirm your preferred display standby setting (ON means the rotary encoder dial backlight remains on even when FXC device is in standby mode).

8. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled “Back”.

9. Tap the rotary encoder to confirm the selection of the option action “Back”.

10. Twist the rotary encoder 1 click to the right (clockwise) to navigate to the option labeled “Back”.

11. Tap the rotary encoder to confirm the selection of the option action “Back”.

12. You will be presented with the question “Apply Visual Changes?”

13. Twist the rotary encoder to highlight the option “Yes” and tap the rotary encoder to confirm the selection.

14. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled “Back”.

15. Tap the rotary encoder to confirm the selection of the option action “Back”.

16. You are now returned to the primary screen view displaying the zone, source input and volume level of the associated zone.

6.6 Display Screen Color Scheme - Customization

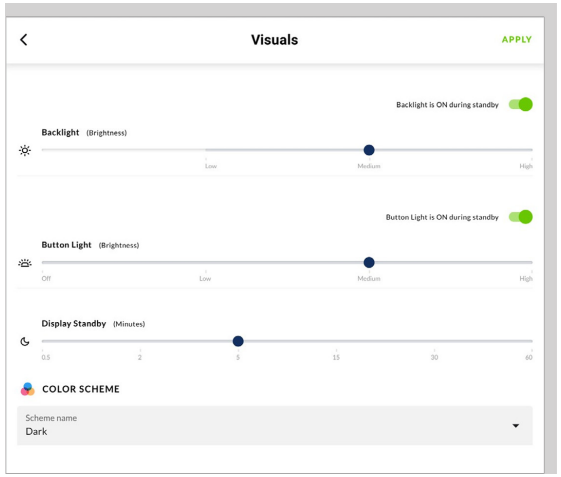
A choice of two different color schemes provides the possibility to customize the display to best match the use environment and/or personal preference.

- DARK = White Text on Dark Grey Background.
- LIGHT = Black Text on Light Grey Background.

Note, that by default the color scheme is set to "DARK".

Customization can be made within the FX Control Web App, or directly via the FXC device itself.

Using the FX Web App, the color scheme can be quickly changed via the drop-down menu located at the bottom of the "Visuals" tab. Simply choose the preferred color scheme, and then click the button labeled "APPLY" in the top right hand corner to activate the change.



The color scheme can also be customized within the settings menu of the FXC device itself. To change the screen color scheme via the FXC device, follow the steps outlined below.

1. Press and hold the rotary encoder until the settings menu appears.
2. Tap the rotary encoder to confirm the selection of the "Settings" menu.
3. Tap the rotary encoder to confirm the selection of the "Visuals" menu.
4. Twist the rotary encoder one click to the left (counter-clockwise) and tap the rotary encoder to confirm the selection of the option labeled "Color Scheme".
5. Twist the rotary encoder left and right to explore the options available, as shown on the screen.
6. Tap the rotary encoder to confirm the desired color scheme.
7. Twist the rotary encoder to the right (clockwise) until you have navigated to the option labeled "Back".
8. Tap the rotary encoder to confirm the selection of the option action "Back".
9. Twist the rotary encoder 3 clicks to the right (clockwise) to navigate to the option labeled "Back".
10. Tap the rotary encoder to confirm the selection of the option action "Back".
11. You will be presented with the question "Apply Visual Changes?"
12. Twist the rotary encoder to highlight the option "Yes" and tap the rotary encoder to confirm the selection.
13. Twist the rotary encoder 2 clicks to the right (clockwise) to navigate to the option labeled "Back".
14. Tap the rotary encoder to confirm the selection of the option action "Back".
15. You are now returned to the primary screen view displaying the zone, source input and volume level of the associated zone.

6.7 Local User Lock and Unlock (PIN Code Protection)

A 4-digit numerical pin code can be set, reset, and enabled within the FX Control Web App to restrict usage of the device.

When enabled, no one can operate the FXC device and/or adjust the settings unless they are able to enter the correct PIN code. This makes it possible to place devices in areas where unauthorized room users have easy access to the device.

Note that the PIN code can always be reset via the Web App. This solves the problem of potentially forgotten PIN codes, while also providing the opportunity to change the PIN code if circumstances change.

The PIN code protection can either be kept deactivated ("OFF") or applied at three distinct levels: (A) "Settings Only"; (B) "All Access", and (C) All Access (Dual PIN).

6.8.1 Level A: "Settings Only" - Applied to Protect Access to The Settings Menu Only

Typical Use Case Scenario: Example – FXC devices are placed within easy reach of authorized users (e.g., workers) of a cafe. Enabling the local user lock function and setting it to "Settings Only" allows the users to adjust volume and switch audio source, but

prevents the users being able to customize the device, change critical settings or reset the device.

- All functions of the wall controller are available, and the device remains completely unlocked for use by any user with physical access to the device.
- Only when the user attempts to access the "Settings" menu are they prompted to enter the correct PIN code on the device – turning the rotary encode dial to select each digit on the screen; and pushing the dial to confirm each digit.
- If successfully unlocked, all functions under the settings menu become accessible.
- Until the correct PIN code is entered, the functions inaccessible to the user include:

  - Visuals (settings relating to customization of standby, backlights and color scheme).

  - Reset Device (ability to completely reset the device).

  - IP Settings (ability to adjust the IP settings of the device).

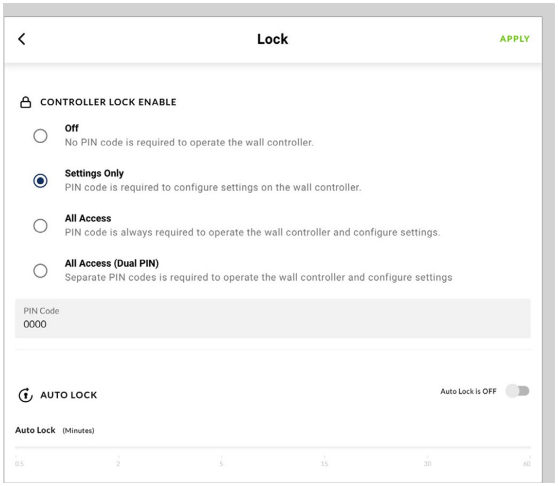
Steps To Setup:

1. Using the FX Control Web App, navigate to the "Lock" tab and select the option "Settings Only" shown under the headline "CONTROLLER LOCK ENABLE".

2. Type into the box labeled "PIN Code" a 4-digit PIN code of your choice (we recommend changing the PIN code, otherwise it will remain '0000').

3. Click the button labeled "APPLY" in the top right hand corner to activate the feature as configured.

Note that the "Auto Lock" function is NOT an available option under the "Settings Only" lockout level. The locking of the settings menu applies all the time, from the instant the option is applied in the Web App.



6.8.2 Level B: "All Access" - Applied to Protect Access To All Functions

Typical Use Case Scenario: Example - FXC devices are placed within easy reach of customers of a cafe. Enabling the local user lock function and setting it to "All Access" prevents the possibility of customers adjusting the volume, switching the audio source, or making any other adjustment to the installed system.

- Until unlocked, none of the functions of the FXC device can be accessed.
- If a user attempts to use the device, they are prompted to enter the correct PIN code on the device – turning the rotary encode dial to select each digit on the screen; and pushing the dial to confirm each digit.
- Once successfully unlocked, functions become accessible.
- Note: To enter the "Settings" menu you will be prompted to enter the PIN code again – this helps ensure the security of the device while the Auto Lock function is off.

Steps to Setup:

1. Using the Web App, navigate to the "Lock" tab and select the option "All Access" shown under the headline "CONTROLLER LOCK ENABLE".

2. Type into the box labeled "PIN Code" a 4-digit PIN code of your choice (we recommend changing the PIN code, otherwise it will remain '0000').

3. Toggle to the right the switch labeled "Auto Lock" - it will turn green (active) and display the label "Auto Lock is ON".

4. Using the slider, select the desired period of time to elapse before the controller is locked, and thus requiring the entering of the correct PIN code to unlock. (We suggest that under many circumstances the shortest period of 30 seconds would be suitable).

5. Finally, click the button labeled "APPLY" in the top right hand corner to activate the feature as configured.

6. Once activated, you can choose to manually lock the device immediately, or let the FXC device automatically lock itself after the designated period of time selected on the Auto Lock slider.

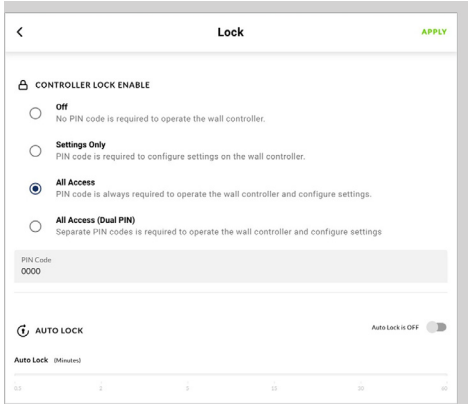
7. To manually lock the device immediately, do as described.

- Press and hold the rotary encoder of the device until the option "Lock Controller" appears on the display screen.
- Tap the rotary encoder to confirm the action to "Lock Controller" - you will be immediately presented with the message "Controller Locked", and thereafter a padlock icon will appear on the display screen of the device; indicating the device is now locked – thus requiring the entering of a PIN code to unlock.

8. To let the device automatically lock itself, do as described.

- Wait until the period of time selected on the Auto Lock slider has elapsed. You will subsequently notice a padlock icon appear on the display screen of the device, indicating the device requires the entering of a PIN code to unlock.

9. To unlock the device, the user must enter the correct PIN code on the device. This is performed by turning the rotary encode dial to select each digit on the screen; and pushing the dial to confirm each digit.

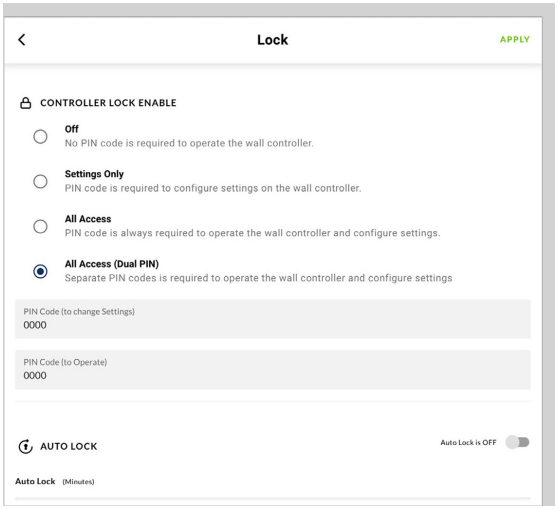


6.8.3 Level C: "All Access (Dual PIN)" - Applied to Protect Access To All Functions with Dual PIN

A further level of security is available with Option C, enabling different PIN controlled access to FXC operation and settings.

This option enables, for example, operators with different responsibilities to have access only to the functions appropriate to their roles.

Option C setup is carried out in a similar manner to Option B described in Section 6.8.2. the only difference is that two four digit PINs are required.



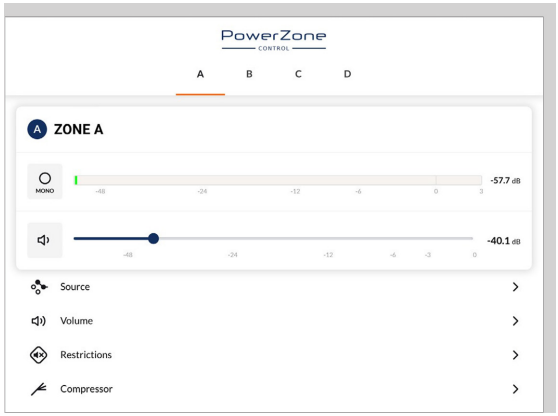
6.9 Volume Control (Range) Limitation

A lower (minimum) and upper (maximum) volume limitation can be applied to the zone the device is configured to control.

This feature is especially valuable in scenarios where the total power of the channel output greatly exceeds the volume suitable for the installation environment.

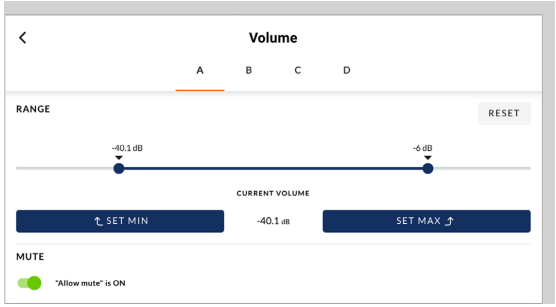
The feature is also very useful to apply in scenarios where it is preferred the volume does not fall below a certain level - with the exception of complete muting.

Within the FX Control Web App, this feature can be found by navigating to the volume menu of the Zone Tab within the Web App (see below).



The minimum and maximum volume limits are set using a slider found within the section labeled "RANGE". For accuracy, volume settings are displayed in decibels (dB)

(see below).



On the device, the end user is made visually aware of the volume range limitation when adjusting the volume level (see below).

Note that as a convenience to the user, the volume settings on the device are always displayed as a relative level on a scale of 0 – 100, rather than in decibels.

Note that if the volume is turned below the minimum level, the output is completely muted, and the mute icon is shown on the display screen.

It is also possible to disable the amplifier zone mute function. This can be particularly significant in situations where important information potentially needs to be heard in a specific zone. To disable or enable the mute function, toggle the "Allow mute" switch in Volume menu of the Zone Tab.

Reset

7.1 Device Reset

It is possible to reset a FXC device back to its factory default state. When resetting the device, any previous settings, including IP address information, is cleared. The default IP address after factory reset is 192.168.64.110.

The use of this function is only required in exceptional circumstances whereby a complete device reset is necessary.

To perform a complete device reset, follow the steps outlined below.

1. Press and hold the rotary encoder until the "Settings" menu appears.

2. Tap the rotary encoder to confirm the selection of the "Settings" menu.

3. Twist the rotary encoder one click to the left (counter-clockwise) and tap the rotary encoder to confirm the selection of the option labeled "Reset Device"

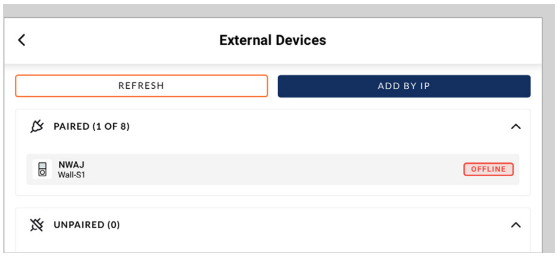
4. Tap the rotary encoder to confirm the selection of the option action "Reset Device".

5. You will be presented with the question "Reset to Factory Defaults?"

6. Twist the rotary encoder to highlight the option "Yes" and tap the rotary encoder to confirm the selection.

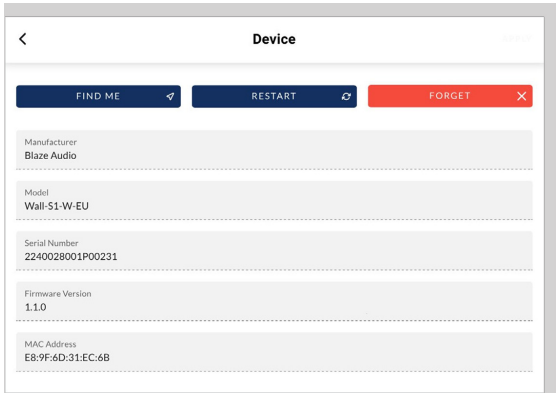
7. After a few seconds the device will turn off, then restart and show a new paring code on the display screen.

8. In the Web App 'External Devices' menu, the device you just reset shows up with a red box stating the device is "Offline" (as shown below).

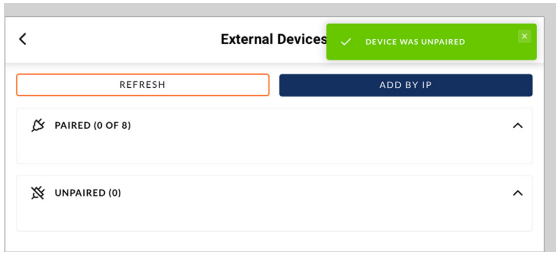


9. In the Web App, click on the reset FXC device, then click on its "Device" tab.

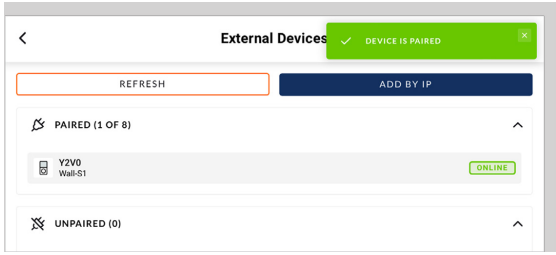
10. In the 'Device' tab, there is a red button labeled "Forget" (see below). Click this button to completely remove the device from the system.



11. You will be returned to the "External Devices" page and a green pop-up will state "DEVICE WAS UNPAIRED" – confirming the completion of the process.



12. The device is now ready to be repaired and configured.



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Specifications

Model	FXC-W-EU	FXC-B-EU	FXC-W-US	FXC-B-US
Amplifier Compatibility	Ashly Audio FX Series			
Color	White	Black	White	Black
External Dimensions (H x W)	86.79 x 86.79mm (3.42 x 3.42in)		115.1 x 70.6mm (4.53 x 2.78in)	
External Dimensions, Depth [From rear side of mounting plate to outer side of shield box]	23.7mm (0.93in)		23.1mm (0.91in)	
External Dimensions, Depth [From tip of rotary encoder dial to outer side of shield box]	42.8mm (1.68in)		42.8mm (1.68in)	
Mounting Holes, Distance (Center to Center)	60 mm (2.36in)		83.5mm (3.29in)	
Weight	120g (4.2oz.)			
Operating Temperature Range	0-40°C (32-104°F)			
Display Screen Dimension (excluding black border)	27.72mm x 27.72mm			
Display Screen Area (excluding black border)	768.4sqmm			
Display Screen Resolution	240 x 240 pixels			
Display Screen Type	RGB, Transmissive / Normally Black			
Display Screen Material	High gloss polished transparent acrylic			
Exterior & Mechanical Parts Material	Plastic (ABS-PC)			
Base Construction & Shield Material	Pre-galvanized steel			
Power Consumption	PoE Class 1 / 3.84 Wmax			
Power Supply	Power to the RJ45 ethernet port on the rear of device using a category 5e cable (or faster STP) with the use of a standard PoE switch, or PoE injector			
Standby Modes	6 settings available: 30 secs, 2 mins, 5 mins, 15 mins, 30 mins, 60 mins			
Connection & Data Protocol	RJ45, proprietary over CAT 5e (or faster STP)			
Maximum Cable Length (CAT 5e)	100m (328ft)			
IP Rating	IP 30			
Warranty Period	5 Years			

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LIMITED WARRANTY (USA ONLY)

(Other countries please contact your respective distributor or dealer.)

For units purchased in the USA, warranty service for this unit shall be provided by ASHLY AUDIO in accordance with the following warranty statement.

ASHLY AUDIO, an **exertis|JAM** business,warrants to the owner of this product that it will be free from defects in workmanship and materials for a period of FIVE years from the original-date-of-purchase, with the exception of touch-screen displays and motorized faders which are warrantied for THREE years from the original-date-of-purchase.

ASHLY AUDIO will without charge, repair or replace at its discretion, any defective product or component parts upon prepaid delivery of the product to the ASHLY AUDIO factory service department, accompanied with a proof of original-date-of-purchase in the form of a valid sales receipt. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

EXCLUSIONS: This warranty does not apply in the event of misuse, neglect, or as a result of unauthorized alterations or repairs made to the product. This warranty is void if the serial number is altered, defaced, or removed. ASHLY AUDIO reserves the right to make changes in design, or make additions to, or improvements upon, this product without any obligation to install the same on products previously manufactured.

Any implied warranties, which may arise under the operation of state law, shall be effective only for FIVE years (THREE years for touch-screen displays and motorized faders) from the original-date-of-purchase of the product. ASHLY AUDIO shall be obligated to only correct defects in the product itself. ASHLY AUDIO is not liable for any damage or injury, which may result from, or be incidental to, or a consequence of, such defects. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion, or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

OBTAINING WARRANTY SERVICE:

For warranty service in the United States, please follow this procedure:

1) Contact the Ashly Service Department at 800-705-2102 or https://ashly.com/technical-support/ to receive an RMA number. You must receive a RMA from the Service Department before sending your unit to Ashly.

2) Return the product to ASHLY AUDIO freight prepaid, with a written statement describing the defect and application that the product is used in. ASHLY AUDIO will examine the product and perform any necessary service, including replacement of defective parts, at no further cost to you.

3) Ship your product to:

ASHLY AUDIO

Service - RMA (insert RMA#)

847 Holt Road

Webster, NY 14580-9103

ASHLY AUDIO 847 Holt Road Webster, NY 14580-9103, USA
Phone: (585) 872-0010 Fax: (585) 872-0739
Toll Free (800) 828-6308 www.ashly.com

An exertis | JAM business