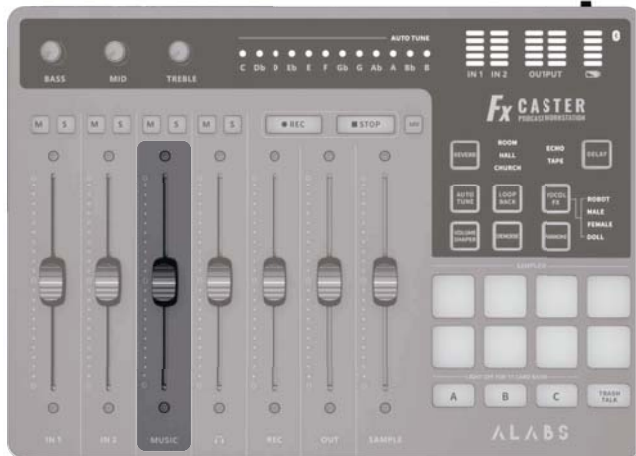## 4. Set up your backing track

AUX IN: Simply connect your smart phone to Fxcaster using a 1/8" stereo cable. Play the desired music or audio from your smart phone, and it will be inputted to Fxcaster for further processing or mixing. The audio volume is controlled by your device and MUSIC fader.

BT: Enable Bluetooth on your device and search for "FXCASTER" in the available devices. Once you find it, select and connect to it. You can then play music from your device, and the audio will be wirelessly transmitted to Fxcaster for playback or mixing. The audio volume is controlled by your device and MUSIC fader.
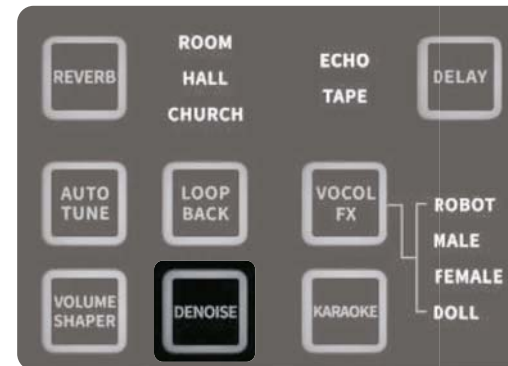
USB: Connect your laptop or smartphone to Fxcaster using a USB-C cable. Once connected, make sure to select the FXCASTER USB AUDIO DEVICE as the audio input/output option on your device. This will enable the transmission of audio from your device to Fxcaster for playback or mixing purposes. The audio volume is controlled by your device and MUSIC fader.

NOTES: If you want your audience to hear the music you play from the AUX, BT, or USB inputs, you can enable the LOOPBACK function. By turning on the LOOPBACK, the audio from these inputs will be looped back to the USB AUDIO OUTPUT and POD OUT 1-3.
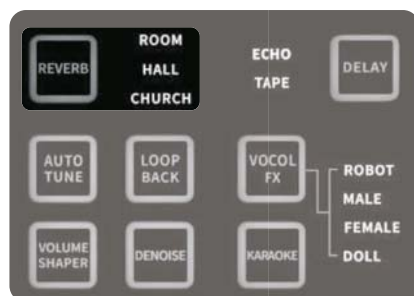
5. Set up the effect of your mics and instruments

EQ: Once you have set the appropriate gain levels for your microphones and instruments, you can further refine the tone using the 3-band EQ on Fxcaster. The EQ allows you to adjust the bass, mid, and treble frequencies to achieve your desired sound. Simply turn the BASS knob to adjust the low frequencies, the MID knob to adjust the midrange frequencies, and the TREBLE knob to adjust the high frequencies. Experiment with these controls to fine-tune the tone to your preference.
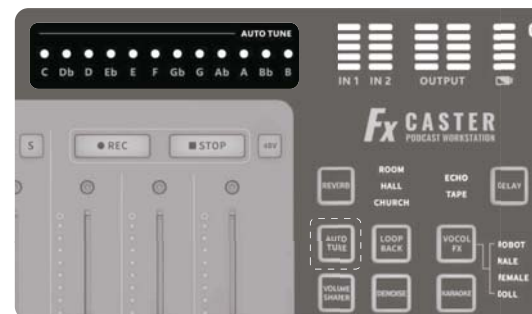

DENOISE: If you find yourself in a noisy environment while using your microphone, you can utilize the DENOISE function on Fxcaster to reduce or eliminate the ambient noise. Simply turn on the DENOISE button, and the effect will be applied to the IN1 and IN2 channels, helping to minimize unwanted background noise and improve the clarity of your audio.

REVERB: The REVERB effect on Fxcaster allows you to add a sense of spaciousness and ambience to your microphone or instrument audio. It simulates various acoustic environments to create a natural reverberation effect. You can choose from different reverb types such as ROOM, HALL, and CHURCH to suit the desired sound. To enable the REVERB effect, press and hold the REVERB button for 1.5 seconds. Press the button again to cycle through the available reverb types and select the one that fits your preference.
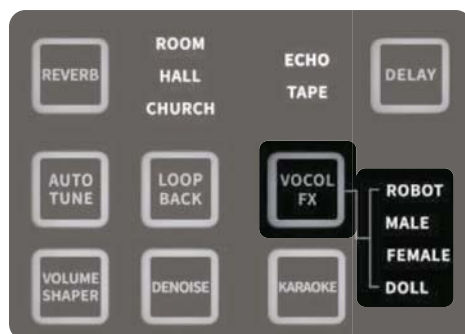

DELAY: The DELAY effect on Fxcaster introduces echoes and repetitions to your audio, enhancing the depth and texture of the sound. It allows you to create rhythmic patterns or add a subtle delay effect to your vocals or instruments. Fxcaster offers different delay types such as ECHO and Tape delay. To activate the DELAY effect, press and hold the DELAY button for 1.5 seconds. Press the button again to switch between the available delay types and select the desired one.
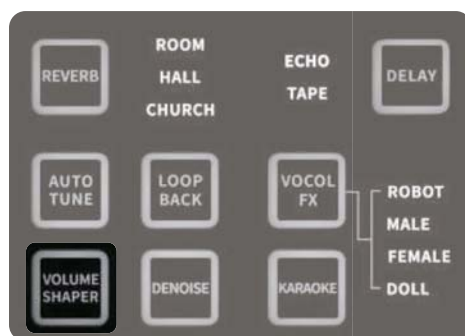

AUTO TUNE: Enable the AUTO TUNE effect to pitch-correct your vocals while singing. Before applying AUTO TUNE, it's important to know the key of the song you're singing. This will ensure that the pitch correction is aligned correctly with the musical context. Hold the button for 1.5 seconds to activate the effect, and use the button to adjust the key according to your song.

KARAOKE: The KARAOKE effect is designed to remove vocals from the music you're playing, making it ideal for singing podcasts. It is applied to the USB AUDIO INPUT, AUX INPUT, and BT INPUT channels. However, when you finish recording and want to check the file, remember to turn off the KARAOKE effect. Otherwise, it will remove the vocals from your recording file as well.

VOCAL FX: If you're looking to add some creativity to your podcast or streaming, the VOCAL FX feature offers exciting options. You can transform your voice into a robotic sound, a deep male voice, a high-pitched female voice, or a cute baby doll sound. Simply press and hold the button for 1.5 seconds to activate the effect, and press the button again to cycle through the different effect types. It's important to note that when the VOCAL FX is turned on, the REVERB, DELAY, and AUTO TUNE effects will be automatically disabled.

VOLUME SHAPER: This feature automatically reduces the volume of the backing music when an input signal is detected. It allows for smooth transitions and ensures your voice takes precedence. By turning on the VOLUME SHAPER, you can achieve a balanced audio mix for your podcast

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Trash Talk: The Trash Talk feature adds a fun and unique element to your podcast by allowing you to censor profanity or "offensive" words. Simply press and hold the Trash Talk button, and a "Beep" sound will be generated while muting all inputs and outputs. When you release the button, the previous state will be restored, ensuring a seamless transition. Use Trash Talk to add a touch of humor or playfulness to your podcast episodes.
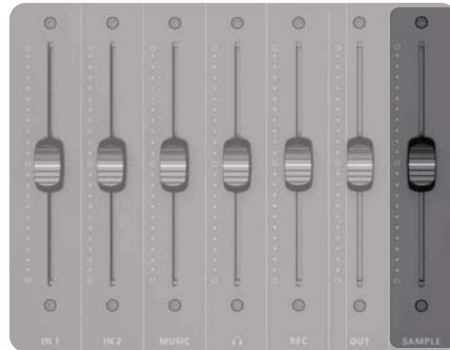
6. Sample Pads using

The SAMPLE PADS feature 8 colorful pads and offers different banks: Bank A, Bank B, Bank C, and the TF CARD Bank. When using the TF CARD Bank, preloaded samples are available on the TF card.
Simply press the pads to play the samples, which will automatically stop after completion. Pressing the active pad will halt the playback.

Recording sample: For Banks A-C, you can record audio as sample files. Hold the desired pad for 3 seconds until it starts flashing, indicating recording has begun. All input signals (IN1, IN2, BT INPUT, AUX INPUT, and USB AUDIO INPUT) will be recorded for up to 20 seconds, after which recording will stop automatically. To manually stop recording before 20 seconds, press the recording pad, which will cease flashing. Pressing the pad will play the recorded sample, and pressing it again will stop playback.

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Replace sample: If you wish to replace the samples on the TF card, follow these steps:
A. Plug the TF card into your computer.
B. Open the "REC" folder on the TF card.
C. Locate the files named S01, S02, S03, etc., corresponding to the pads you want to replace.
D. Convert your desired audio files to MP3 format (if needed).
E. Rename the audio files to match the corresponding pad names (S01, S02, etc.).
F. Copy and paste the renamed audio files into the "REC" folder on the TF card.
G. Safely eject the TF card from your computer.
H. Reinsert the TF card into the Fxcaster.

The volume of all samples is controlled by the sample fader, allowing you to adjust the output volume of the samples.
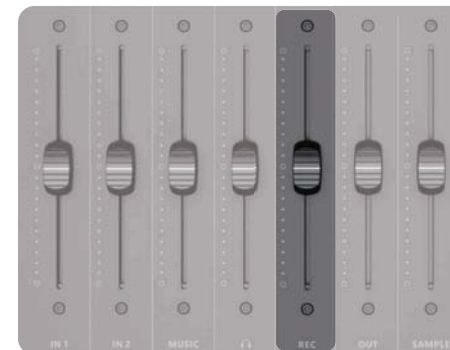
7. Record on TF card:

After inserting the TF card, you have the option to record all input and output signals from Fxcaster directly onto the TF card. This feature is particularly useful in situations where you may not have access to suitable podcasting equipment, allowing you to capture audio and later perform post-processing as needed. With this recording capability, you can conveniently save your podcast or streaming sessions for further editing or sharing.

Press the REC Button to start recording to the TF card. The red light will turn on and flash to indicate that recording is in progress. Press the STOP Button to stop TF card recording. The red light will illuminate during the file-saving process to the TF card. Once the saving process is complete, the red light will turn off.

Notes: 1. The REC function is only available when a TF card is inserted into the Fxcaster. If no TF card is detected, the REC function cannot be activated. Please ensure a TF card is properly inserted before attempting to use the recording feature.
2. The maximum recording time is determined by the available storage space on the TF card. If there is insufficient storage space to store the file, the recording will automatically stop.
3. The files recorded will be saved in the "REC" folder of the TF card. Each file will be named REC01.mp3, REC02.mp3, and so on, in sequential order.

The record volume will be controlled by the REC fader.
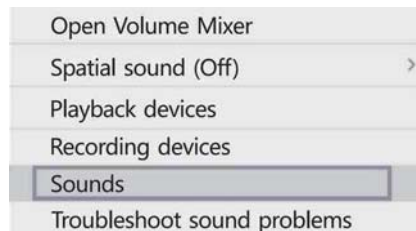
8. Mute and solo the channels :

To control the audio playback of specific channels, Fxcaster provides the options to mute and solo the IN1, IN2, MUSIC (AUX/USB/BT IN), and Headphone Out channels. By pressing the M button above the fader of a particular channel, you can mute that channel, effectively silencing its audio. Conversely, pressing the S button above the fader allows you to solo a specific channel, isolating its audio for focused playback. These functions give you precise control over which channels are audible in your podcast or streaming setup, enhancing your overall audio management experience.

Connecting to WIN/MAC/iOS/Android

Windows

1. Connect Fxcaster to your computer's USB port using the USB-C cable. The computer will automatically detect the USB device and install the necessary driver.

2. Right-click on the sound icon located in the system tray of your computer's taskbar. From the context menu that appears, select "**Sounds**" In the "Sounds" window, navigate to the "**Recording**" tab.

3. Look for the "**FXCASTER USB AUDIO DEVICE**" option in the list of recording devices and select it. Once selected, click on the "**Set Default**" button located below the list of recording devices.

4. Next, click on the "**Playback**" tab in the "**Sounds**" window. Similarly, locate the "**FXCASTER USB AUDIO DEVICE**" option under the playback devices. Select it and click on the "**Set Default**" button.
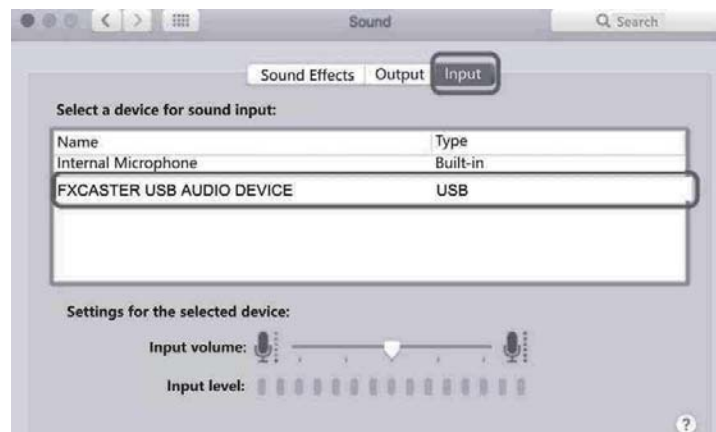

MAC

1. Connect Fxcaster to your computer's USB port using the USB-C cable. The computer will automatically detect the USB device.

2. Click on the Apple menu and select "**System Preferences**".

3. In the system preferences window, locate and click on the "**Sound**" option. This will open the sound settings.

4. In the sound preferences, navigate to the "**Input**" tab. Here, you will see a list of available audio input devices. Select "**FXCASTER USB AUDIO DEVICE**" from the list of input devices. This sets Fxcaster as the default audio input device.
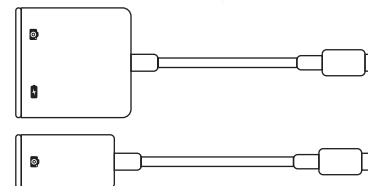

5. Next, navigate to the "**Output**" tab in the sound preferences. From the list of output devices, select "**FXCASTER USB AUDIO DEVICE**" as the default output device. This will route the audio output from your computer to Fxcaster.

iOS and Android

1. Use USB-C cable and adaptor(depends on your smart phone) to connect to the Fxcaster and your smart phone.
Notes: Please using the official APPLE CAMERA KIT as an adaptor. This adaptor ensures compatibility and proper recognition of the Fxcaster by your iPhone or iPad. Using other third-party adaptors may result in the device being unrecognized.

1. To ensure that your smart phone and the app you're using recognize Fxcaster as the input and output device, please follow these steps:
A. Close the app you want to use on your smart phone and ensure that it is not running in the background.
B. Use the USB-C cable and appropriate adaptor to connect your smart phone to Fxcaster.
C. After the connection is established, reopen the app on your smart phone.
This ensures that you can utilize the full capabilities of Fxcaster for your desired audio recording, podcasting, or live streaming purposes.
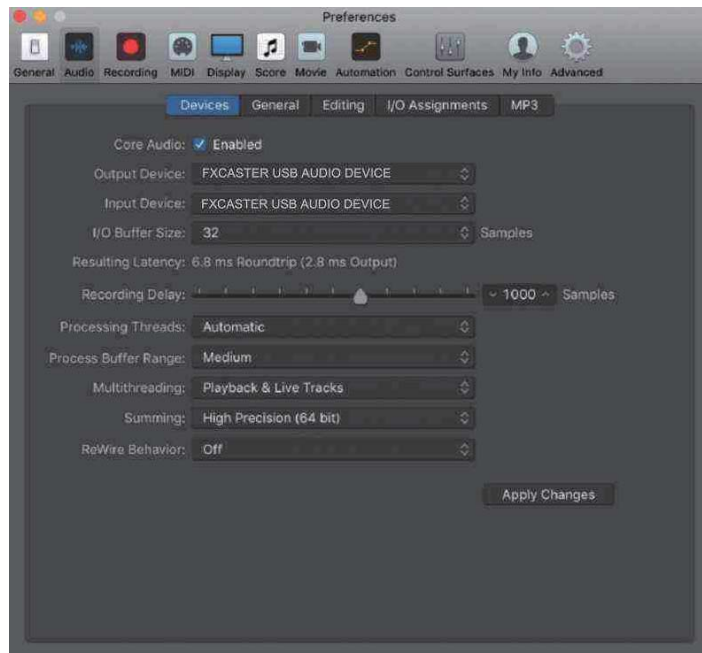
Set up on DAW

After following the initial setup procedure, you can use Fxcaster with your preferred Digital Audio Workstation (DAW) for recording, editing, and producing your audio content. The specific instructions for operating a DAW are beyond the scope of this user guide, as different DAW applications may have unique interfaces and workflows. However, most DAWs provide comprehensive Help files that offer guidance on their usage.

It's important to note that your DAW may not automatically recognize Fxcaster as its default USB audio device. In such cases, you will need to manually select "FXCASTER USB AUDIO DEVICE" as the driver within your DAW's Audio Setup or Preferences panel. The exact location of this setting may vary depending on the specific DAW you are using. Please consult your DAW's documentation or support resources for detailed instructions on how to configure the audio device settings.

If you are uncertain about where to select the ASIO or Core Audio driver within your DAW, the following example illustrates the correct configuration within Logic Pro X's Preferences panel:

A. Open Logic Pro X and go to the Preferences panel.
B. Locate the "Audio" section or tab within the Preferences panel.
C. Look for the "Audio Device" or "Audio Interface" setting.
D. Choose "FXCASTER USB AUDIO DEVICE" as the selected audio device or interface.
E. Save your changes and exit the Preferences panel.

Note: The speed of your processor, amount of RAM, and capacity, size, and speed of your hard drives will greatly affect the overall performance of your recording system. A faster processor and more RAM can reduce signal latency (delay) and improve overall performance.

For Windows users, if you wish to achieve low-latency recording in your Digital Audio Workstation (DAW) with Fxcaster, you can download and install the ASIO4ALL driver. ASIO4ALL is a universal ASIO driver that allows you to use multiple audio devices with low latency in your DAW.

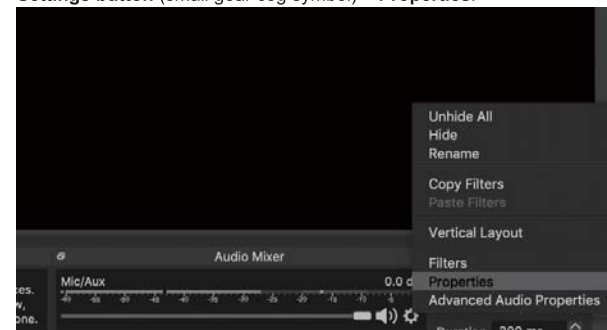To set up ASIO4ALL with Fxcaster, you can follow these general steps:
A. Download the ASIO4ALL driver from the official website (www.asio4all.org) and install it on your computer.
B. Open your DAW software and go to the audio settings or preferences.
C. Look for the audio driver settings and select ASIO as the driver type.
D. In the list of available ASIO drivers, choose "ASIO4ALL" or "ASIO4ALL v2" as the driver.
E. Configure the ASIO4ALL settings by clicking on the ASIO4ALL control panel button or icon in your DAW's audio settings.
F. In the ASIO4ALL control panel, you will see a list of available audio devices. Make sure to check the box next to "FXCASTER USB AUDIO DEVICE" to enable it.
G. Adjust the buffer size or latency settings in the ASIO4ALL control panel to achieve the desired balance between latency and system performance. Lower buffer sizes generally result in lower latency but may require more processing power.
H. Save your settings in the ASIO4ALL control panel and exit.

Set up in OBS

Open Broadcaster Software(OBS) is a free program that allows you to stream audio and video to online platforms such as Facebook, Twitch, and Youtube.
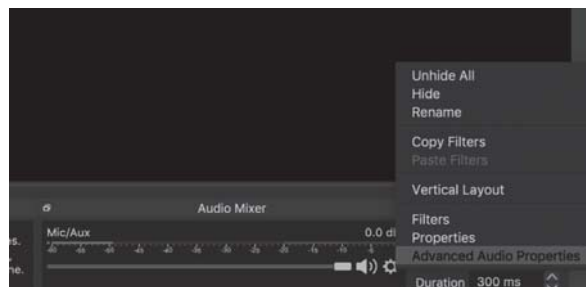To start, navigate to the OBS website and download the compatible version of OBS software for your system.
Once downloaded and installed, open the OBS application. With your audio interface connected please navigate to the **Audio Mixer** > **Mic/Aux** > Click the **Settings button** (small gear cog symbol) > **Properties**.

Click the dropdown menu next to Device, and select "**FXCASTER USB AUDIO DEVICE**" as the device.
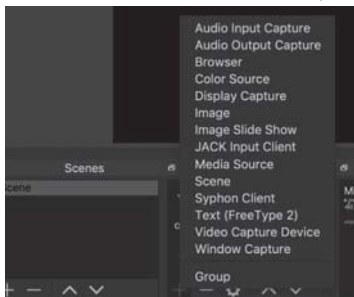

Once you have set your audio device in the properties you can then exit that window and navigate to the **Advanced Audio Properties** tab from the **Settings** menu.
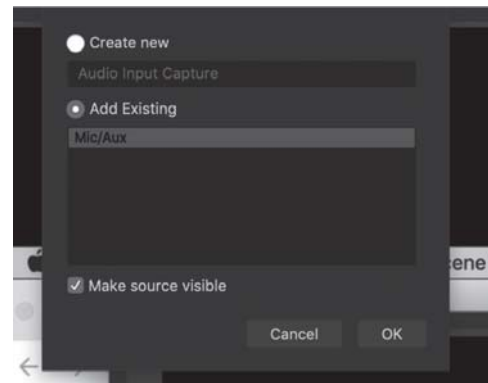

As OBS does not support multi-channel ASIO driver types, it will only be able to receive audio from the first two inputs of an audio device, so you will need to ensure that you connect your microphone/instrument to Input 1 or 2.

From the Sources menu, click the + symbol to add a new Source.

You can then add your incoming audio from your audio interface to the Sources so that your audience can hear you. Please select **Audio Input Capture** from the Source menu, select Add Existing and the Mic/Aux channel, and click OK.

After this, you can add other Sources if you wish. **Display Capture** allows you to show your audience what is happening on your screen which may be helpful when broadcasting things like tutorials. **Video Capture Device** allows your audience to view the feed from a webcam.

Once this is set up you will then be able to broadcast both your webcam, computer screen and incoming audio from your audio interface.

Specifications

Analog Connections	
XLR / 1/4" Combo In	2 x XLR / 1/4" Combo Input The XLR inputs are balanced. The 1/4" inputs are unbalanced.
Phantom power	+48V, switchable via 48V button
Aux In	1 x 1/8" TRS, stereo
Pod out	3 x 1/8" TRRS
Headphone	1 x 1/8" TRS, stereo
Main out	2 x 1/4" TS, unbalanced
Digital Connections	
BT	BT Wireless 5.0 Input
USB	1 x USB2.0, type C
TF card	TF card port
Controls	
Faders	7
LED Meters	5
Rotational encoders	3
Buttons	31

System / Processing	
A/D-D/A conversion	24-bit, 48kHz
Effects	EQ: Bass, Mid, Treble Reverb: Room, Hall, Church Delay: Echo, Tape Vocal FX: Robot, Male, Female, Doll Autotune, Volume shaper, Denoise, Karaoke, Loopback
Sample	4 Bank: Bank A, Bank B, Bank C and TF card band Each bank includes 8 sample pad
Recording	On TF card: Depends on the storage of TF card On sampler of Bank A-C: 20 seconds each
Recording format	MP3
Frequency response	20Hz - 20kHz, +0/-2dB
Dynamic Range	>96dB
S/N ratio	>90dB
Power Supply	
Battery	3000mAh
Charge	USB type C, 5V / 1A
Dimensions / Weight / Accessories	
Dimensions	302mm x 215mm x 50mm
Weight	1.14KG
Accessories	USB-A to USB-C adaptor USB-A to USB-C cable 1/8" stereo cable 1/8" TRRS cable 1GB TF card

*Notes：Any specification's update will not be amended in this manual.

Troubleshooting

Symptom	Solution
Can not turn the Fxcaster on	Check battery meter of the Fxcaster, if there is low power, you should connect it to your computer or USB charger via USB-C cable.
No input sound or too low volume	Ensure that your microphones, instruments, or other audio sources are properly connected to the appropriate input jacks on the Fxcaster. Make sure the cables are securely plugged in.
	Adjust the input gain knobs or faders for the respective channels (IN1, IN2) to an appropriate level. Increase the gain if the input sound is too low, but be cautious not to set it too high to avoid distortion.
	If you're using a condenser microphone that requires phantom power, ensure that the 48V phantom power switch is turned on.
	Try connecting different microphones or instruments to see if the issue persists. This will help identify whether the problem lies with a specific audio source or with the Fxcaster itself.
	Check the volume levels and audio settings on your computer/smart phone to ensure they are not set too low or muted. Adjust the MUSIC fader as needed.
	Ensure that your headphone or active speakers are properly connected to Fxcaster. Adjust the HEADPHONE fader and OUT fader to increase the output volume as needed.

Symptom	Solution
Noisy or distorted sound	Replace faulty or broken cable(s).
	Decrease the IN1 and IN2 faders to reduce the noise and distorted sound.
	Turn on the DENOISE effect can reduce the background noise.
Unable to output the audio to your audience during podcasting or streaming	Ensure that the output cables (such as XLR, 1/4" TRS, 1/8" TRRS or USB) are properly connected from the Fxcaster.
	Check the output settings on your recording software or streaming platform. Ensure that the Fxcaster is selected as the output device for playback.
	Ensure that the relevant channels (IN1, IN2, MUSIC, etc.) are bot muted.
	Refer to the Fxcaster's user manual for specific instructions on **" Connecting to WIN/MAC/iOS/Android"**

FCC STATEMENT

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2, Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

Consult the dealer or an experienced radio/TV technician for help.

RF warning statement

The device has been evaluated to meet general RF exposure requirement, The device can be used in portable exposure condition without restriction.

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