

L-20 Control

Version 2.0

Operation Manual



This document cannot be displayed properly on black-and-white displays.

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Introduction

L-20 Control is a remote control application specifically designed for the ZOOM LiveTrak **L-20** and **L-20R**. With control of recording, playback, mixer adjustments and other functions, this app allows you to operate an **L-20** or **L-20R** from an iPad. This manual does not explain the operation of **L-20** and **L-20R** mixers themselves. See the Operation Manual for detailed information about all its functions.

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Functions added in Version 2.0

The following function have been added in L-20 Control Version 2.0.

- Multiple iPads can be used to control an **L-20 / L-20R**.

This allows individual performers using different iPads to adjust their own monitor mixes.

Installing L-20 Control

1. Open the App Store on the iPad and search for "L-20 Control".

2. Tap "GET" on the L-20 Control screen.

This will install L-20 Control on the device.



NOTE

- When you launch L-20 Control, you must pair it with the **L-20** or **L-20R** that it will operate (→ "Pairing (connecting) with the **L-20 / L-20R**" on page 4).

Pairing (connecting) with the L-20 / L-20R

NOTE

- A separate ZOOM BTA-1 Bluetooth adapter must be installed in the **L-20 / L-20R** to remotely control it from an iPad. With a BTA-1, transmission up to 10 m is possible when used indoors without obstacles. For details, see the **L-20 / L-20R** operation manual.



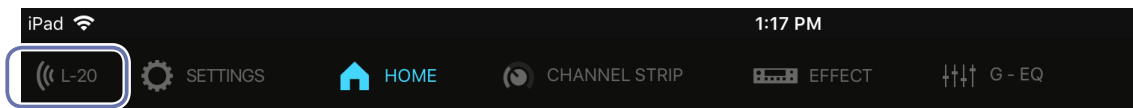
1. Turn on the L-20 / L-20R.

2. Tap the L-20 Control app icon.

L-20 Control will launch.



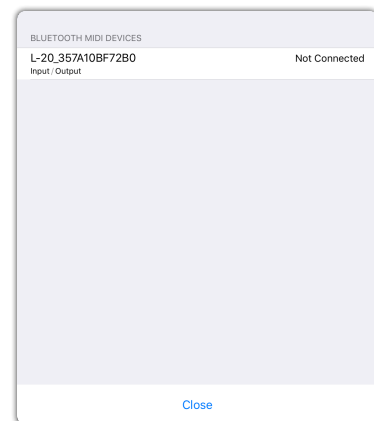
3. The Bluetooth MIDI Devices List will appear when it is launched.
To open the Bluetooth Device list tap the L-20 button in the toolbar.



4. Tap the Device Name/ID to connect.
Tap Close.



The L-20 icon in the tool bar changes to blue when the app is connected to the L-20 / L-20R.

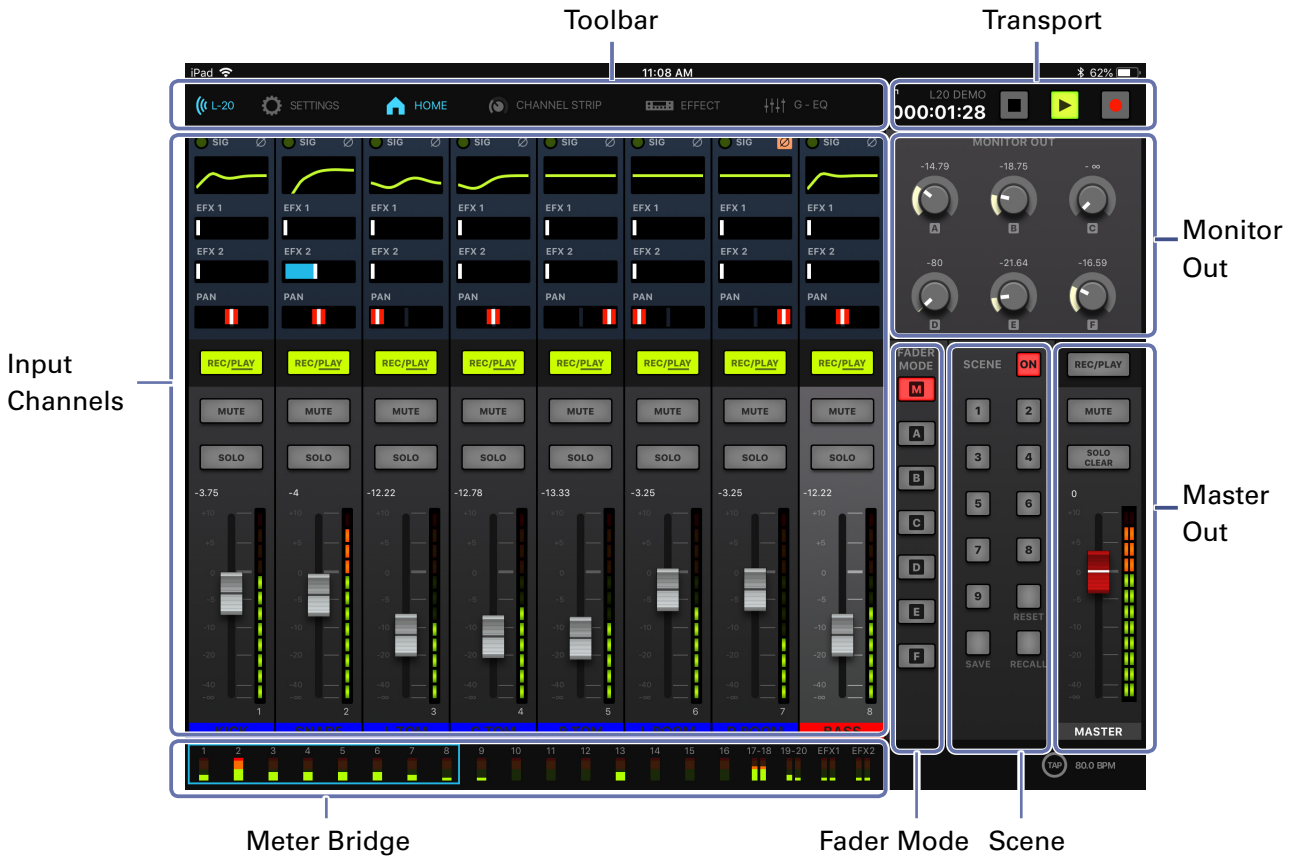


NOTE

- If pairing is not successful, move the iPad closer to the **L-20 / L-20R** or move both to a place where nothing interferes with radio waves and try connecting again. Confirm also that the Bluetooth function of the iPad can be used.

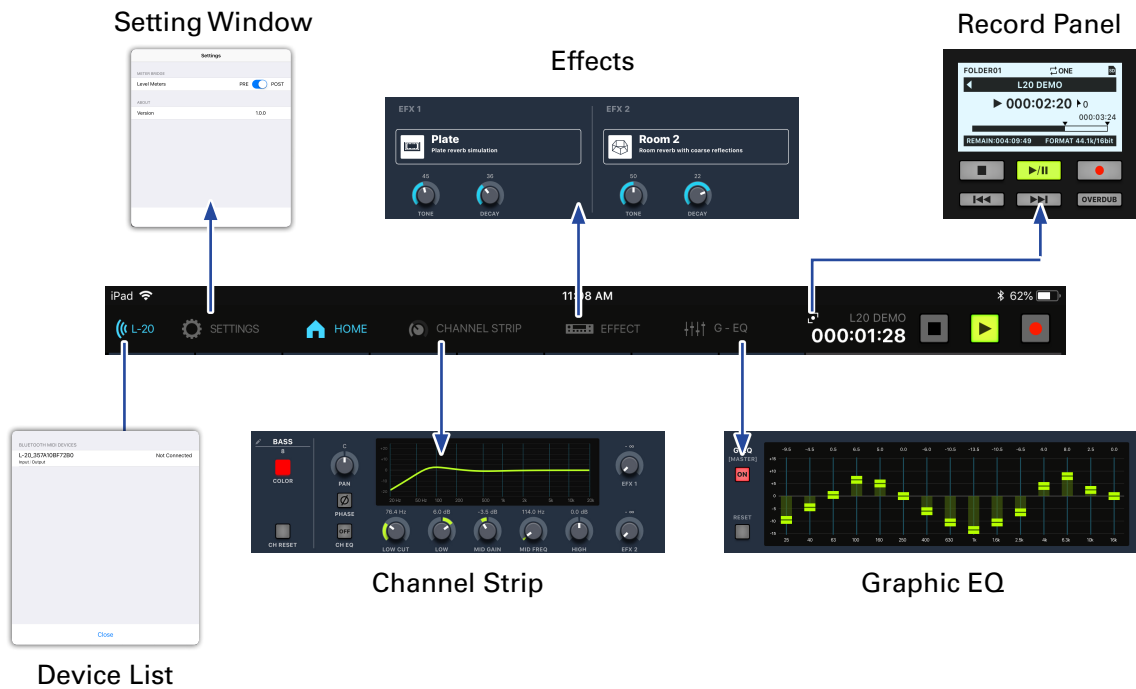
Operation screen overview

Main Areas

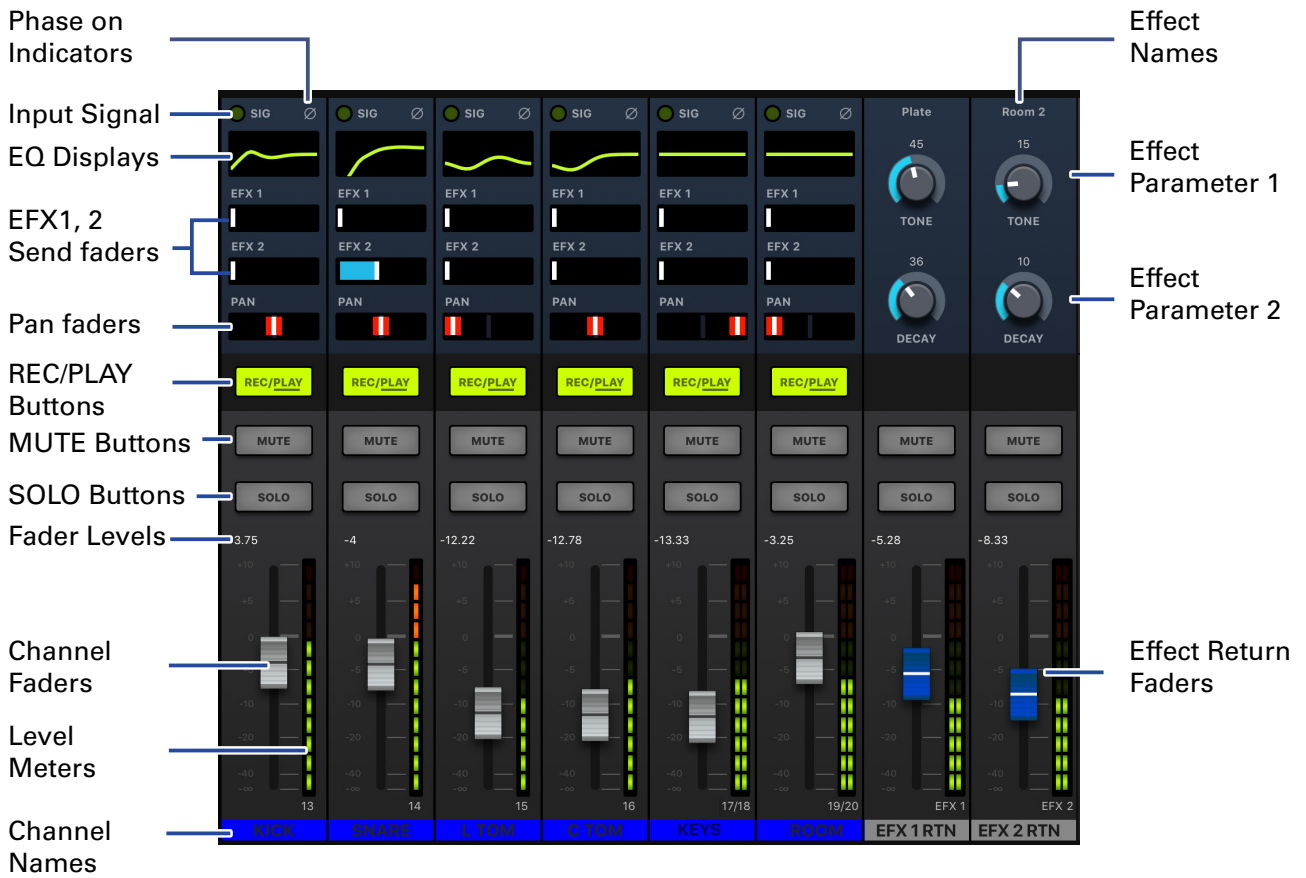


Navigation between views

Tap the buttons in the toolbar to access other views.

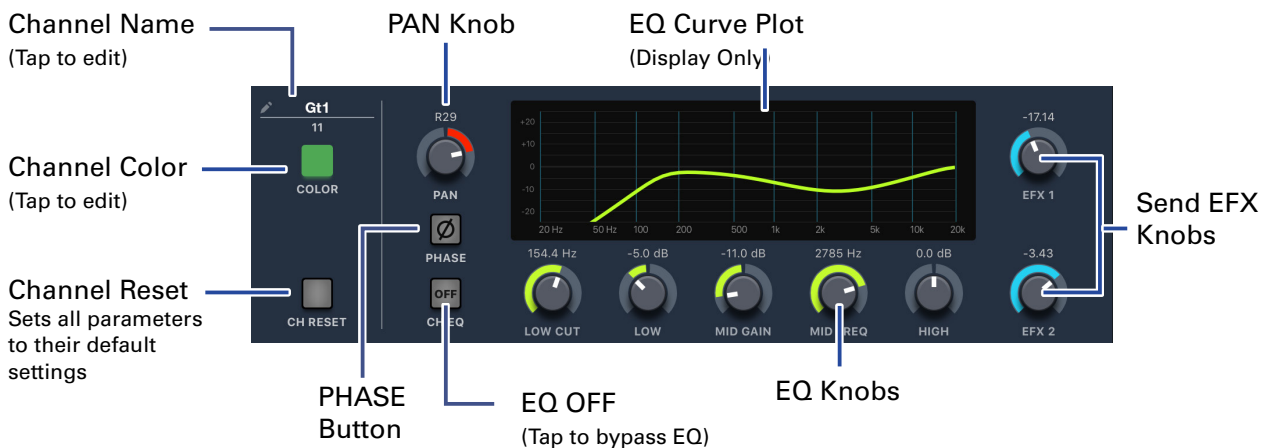


Input Channels



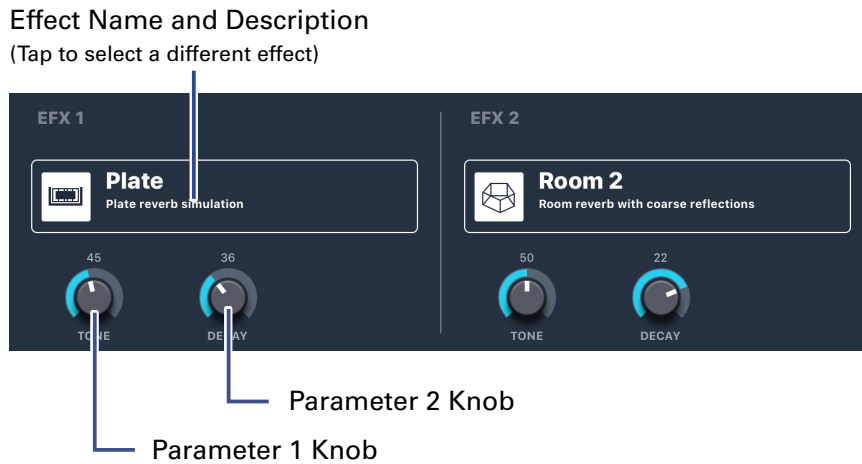
Channel Strip

The channel strip displays the settings for the selected channel. From here you can make detailed parameter adjustments. This includes: Channel Name, Channel Color, Pan, Phase, EQ Low Cut, EQ Low, EQ MID Gain, EQ MID Frequency, EQ High, Effects Send 1 and Send 2 Levels.



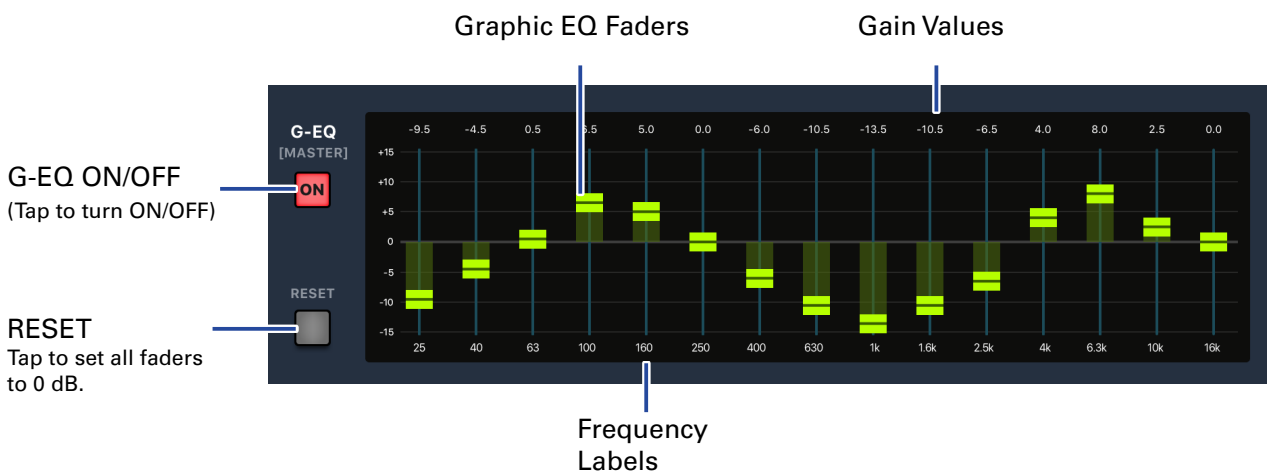
Effects

The Effects page lets you see and change which effects are assigned and adjust their parameters.

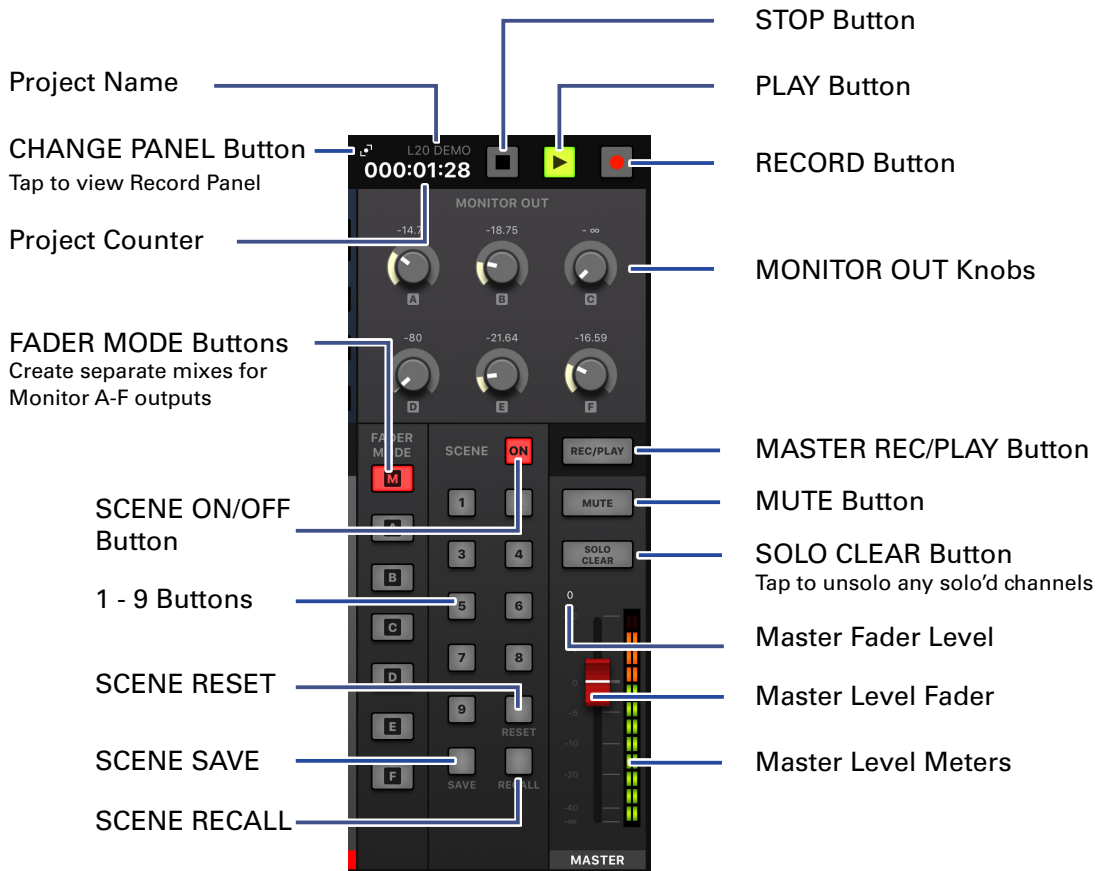


Graphic EQ

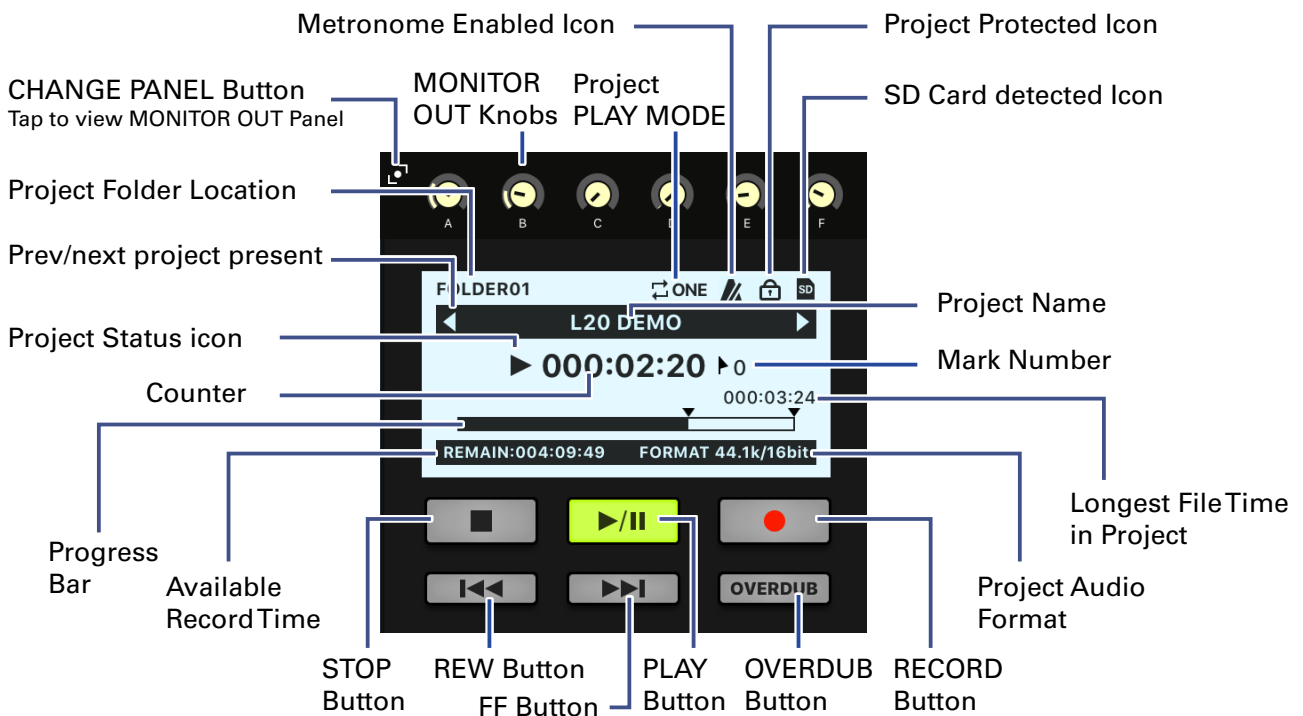
The 15-band Graphic EQ lets you adjust the tone of the Master Out. The only way to access the Graphic EQ is using the L-20 Control application.



Master Section



Large Record Panel



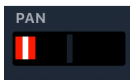
Controlling the Mix

Mixing Input Channels

1. Tap  on the Toolbar.
2. Adjust parameter settings on the Home Screen.



Adjusting pan faders

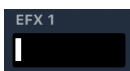


Drag a pan fader left and right to adjust its value.

NOTE

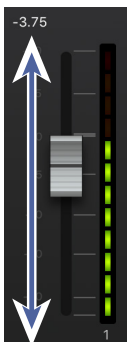
- Double-tap a fader to reset it to the default value.

Adjusting send faders



Drag a send fader left and right to adjust its value.

Adjusting level faders



Drag a level fader up and down to adjust its value.

NOTE

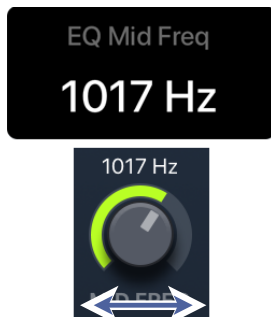
- To make fine adjustments, tap the fader cap, slide your finger to right or left and then up and down.

Making Channel Strip Adjustments

1. Tap a channel to select it.
2. Tap **CHANNEL STRIP** on the Toolbar.
3. The Channel Strip is displayed above the channels.



Adjusting Channel Strip knobs

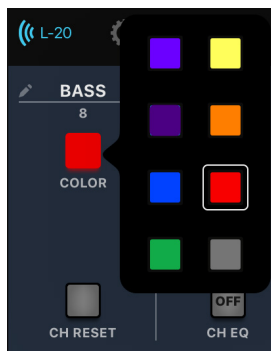


Slide a control knob left and right (or up and down) to adjust its value. The parameter popup appears while adjustments are made.

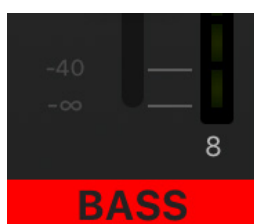
NOTE

- To make Channel Strip changes to a different channel, just tap the desired channel.

Editing Channel Color



Tap the COLOR button and select a color from the Color popup.



The color on the bottom of the channel is updated.

■ Editing the Channel Name



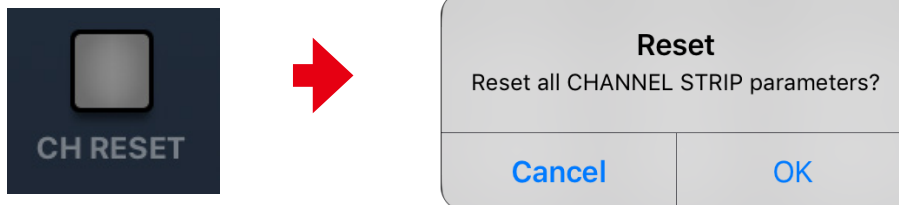
Tap the Channel Name and edit it using the on-screen keyboard. Tap done and the edited name will appear in the channel.

NOTE


- The Channel Name can have up to 8 characters.
- The following characters can be used in the Channel Name:
 (space) ! # \$ % & ' () + , - 0 1 2 3 4 5 6 7 8 9 ; = @
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [] ^ _ ` a b c d e f g h i j k l m n o p q r
 s t u v w x y z { ~ }

■ Channel Reset

To reset all channel settings to their default values, tap the CH RESET button. A confirmation popup will appear asking you to confirm.



Adding an Effect to a Channel

1. Tap a channel to select it.
2. Adjust the EFX1, 2 Send Level.
3. Adjust the EFX1, 2 Return Level Fader.
4. Tap the  button.



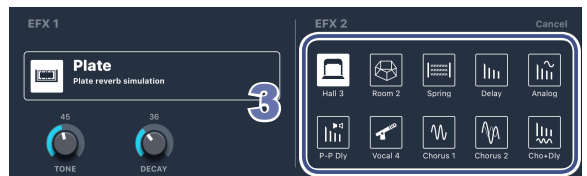
Editing Effects

1. Tap the  button in the toolbar.

2. Tap the current effect name
The effect select screen appears.



3. Tap another effect icon to select it.
The select screen closes.



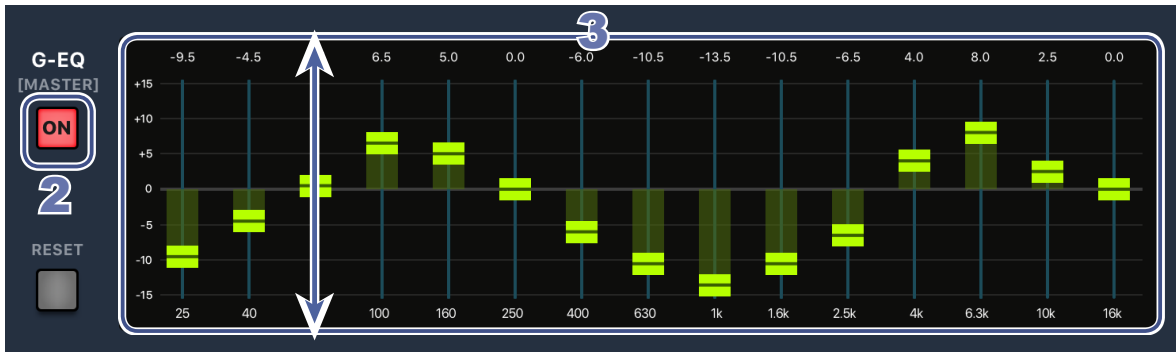
4. Tap and slide the effect controls to adjust the effect parameters.





Graphic EQ


The Graphic EQ lets you adjust the tone of the Master Out.

The G-EQ is only controllable from the L-20 Control application. Graphic EQ settings are stored on the **L-20 / L-20R**.



1. Tap the  button in the toolbar.
2. Turn the G-EQ on by tapping .
3. Slide the faders up to increase gains or down to decrease gains at desired frequencies.

NOTE

- To make fine adjustments, tap the fader cap, slide your finger to right or left and then up and down.
- Double-tap a fader to reset it to the default value.
- Tapping  sets all faders to 0 dB.
- If the **L-20 / L-20R** is turned off and on again, the graphic EQ will be set off.

Recording Tracks

Record Setup

Setting up to record is done primarily on the **L-20 / L-20R** mixer. This includes:

- Recording resolution
- Making physical connections
- Adjusting the input gain, compression level
- Metronome settings


Once setup is complete, with the L-20 Control application, you can:

- Check the **L-20 / L-20R** recording settings
- Enable channels for record and playback
- Control channel levels, effects
- Set the Tempo
- Start/stop the transport
- Enable Overdub

Recording



1. Tap  to open the Record Panel (→ “Master Section” on page 8).

2. Tap  repeatedly on the channels you want to record until they are record enabled




3. In the Record panel, tap .

When ready to start recording, tap .




NOTE

- To record additional takes in the current project, you must enable Overdub. 

Playing Tracks



1. Tap  to open the Record Panel (→ “Master Section” on page 8).

2. Tap  repeatedly on the channels you want to playback until they are playback enabled

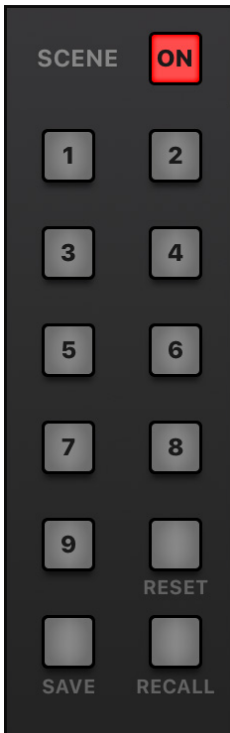


3. In the Record panel, tap .



Using Scenes

● Saving Scenes





1. Tap  to enable it.

2. Tap .

Buttons  to  will light if they have saved scenes and blink if they do not.

Tap  again if you do not want to save a scene.

3. Tap one of the buttons labeled  to  where you want to save the scene.

● Recalling Scenes

1. Tap  to enable it.

2. Tap .

Buttons  to  will blink if they have saved scenes and lights off if they do not.

Tap  again if you do not want to recall a scene.

3. Tap the button for the scene you want to recall.
The scene for the selected number is recalled.

Adjusting the Monitor Out A - F Mixes



1. Tap **A** to **F** button to select the output to mix.

The selected output button lights and operation of all the channel faders is enabled.

2. Use the channel faders to adjust the volumes.



Copying a Mix

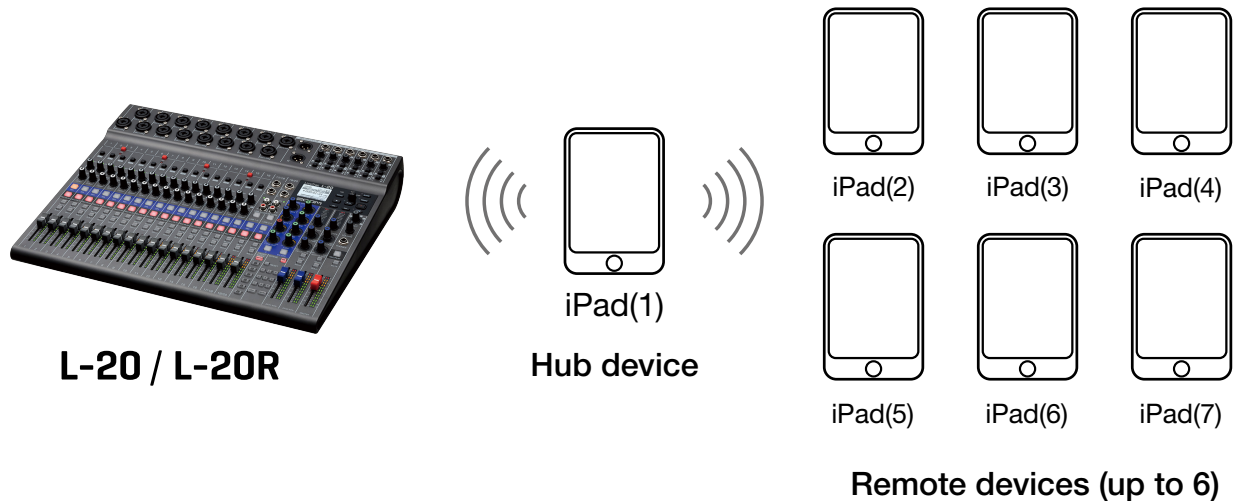
1. While tapping and holding **M**, **A** to **F** for the output you want to copy, press a blinking copy destination (**M**, **A** to **F**).

This copies the mix from the source to the destination.

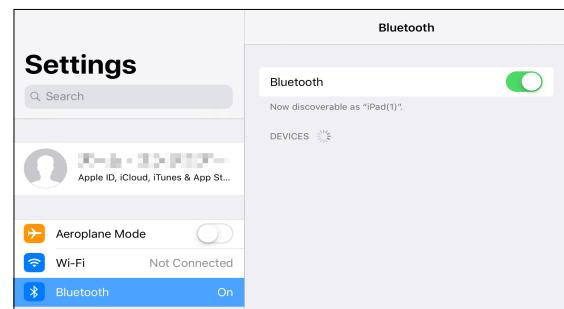
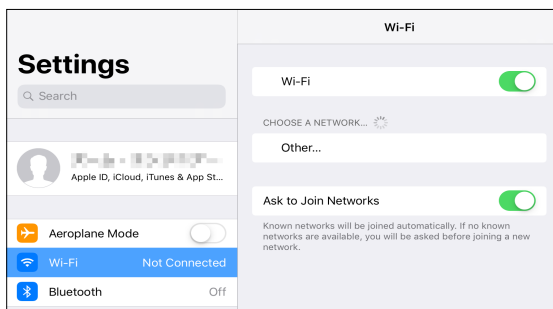
Using multiple iPads to control an L-20 / L-20R (new function in Version 2.0)

Using L-20 Control (Version 2.0 or later), multiple iPads can be connected to an **L-20 / L-20R** and used to control it.

One iPad acts as the hub device and relays transmissions between the other iPads (remote devices) and the **L-20 / L-20R**. Up to 6 iPads can be connected as remote devices, making a maximum of 7 that can be used to control an **L-20 / L-20R** simultaneously.



1. Confirm that the wireless LAN and Bluetooth functions are activated on the hub and remote devices.

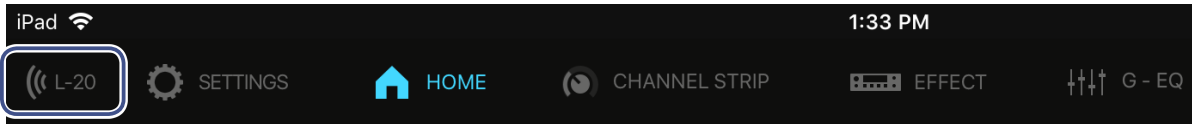


NOTE

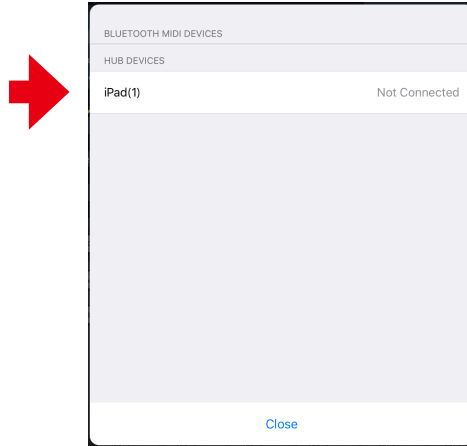
- Hub and remote devices can communicate even if they are not connected to the same wireless LAN access point.
- Connecting hub and remote devices to the same wireless access point can increase the maximum communication distance. In this case, the maximum communication distance depends on the specifications of the connected wireless LAN access point.
- If communication with the remote device is unstable, moving closer to the connected wireless LAN access point might improve it.

2. Connect the hub device to the L-20 / L-20R (→ "Pairing (connecting) with the L-20 / L-20R " on page 4).

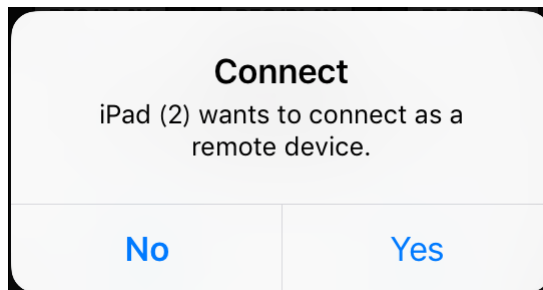
3. Launch L-20 Control on a remote device.
4. Hub devices that can be connected appear on the remote device.
If this does not appear, tap the L-20 key to show it.



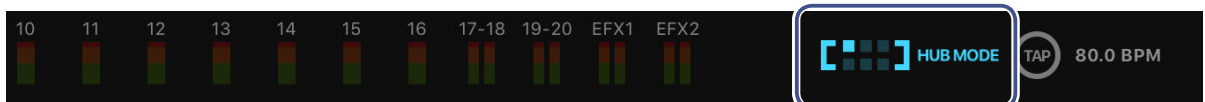
5. On the remote device, tap the device name/ID under HUB DEVICES to connect them.



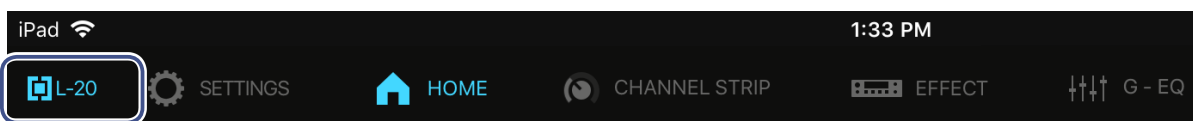
6. A message confirming connection with the remote device appears on the hub device. Select "Yes" to accept the connection.



When connection succeeds, an icon showing the number of connected devices appears at the bottom right of the hub device screen.



On the remote device, the L-20 icon in the toolbar changes to a REMOTE MODE icon.



NOTE

- Only MONITOR OUT A-F can be controlled from a remote device.
- Only pre-fader levels can be shown by the level meters on the remote device.



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