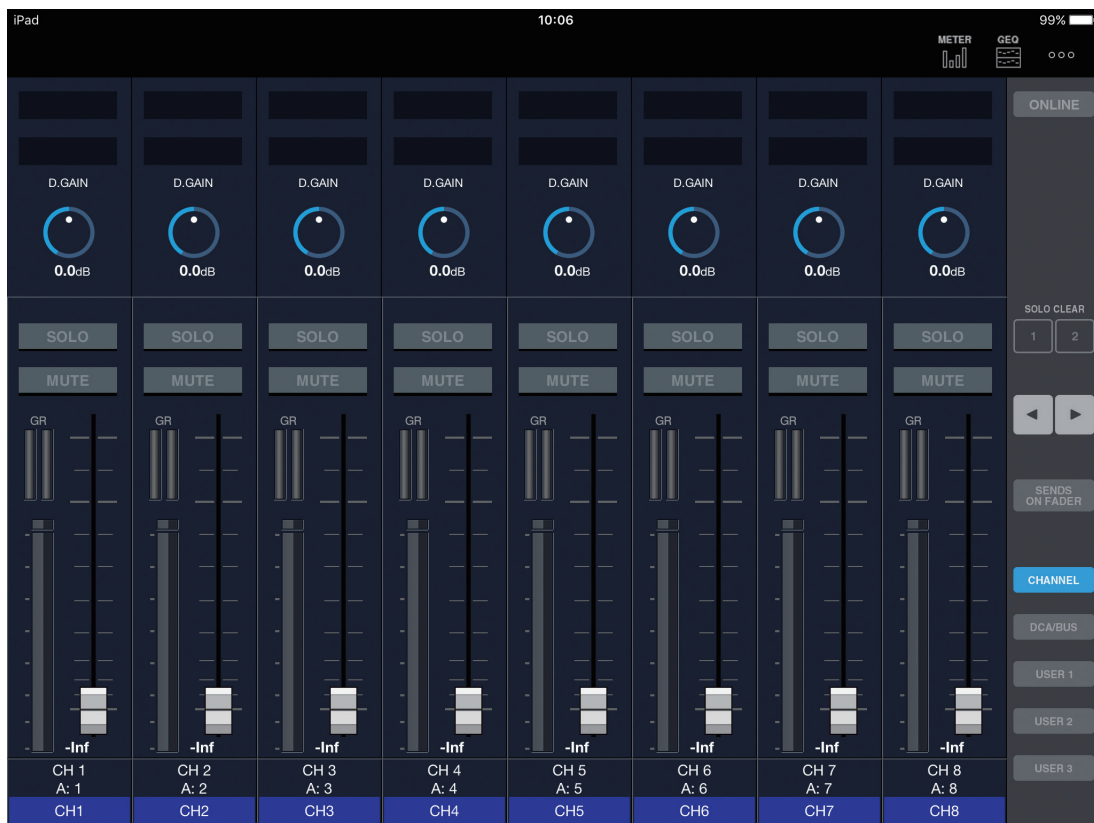




LIVE MIXING CONSOLE M-5000 / M-5000C

Remote User's Guide



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The explanations in this manual include illustrations that depict what should typically be shown by the display. Note, however, that your unit may incorporate a newer, enhanced version of the system, so what you actually see in the display may not always match what appears in the manual.

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Connecting to the M-5000

* In this document, the M-5000 and the M-5000C are both referred to as "M-5000."

About M-5000 Remote

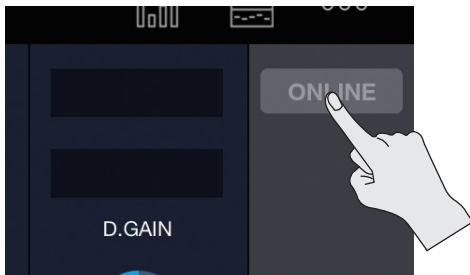
M-5000 Remote is software for operating the M-5000 remotely. It runs on iPad.

Entering the Online Mode

1. Connect the M-5000 and the iPad.

→ "Connecting to the M-5000" (p. 4)

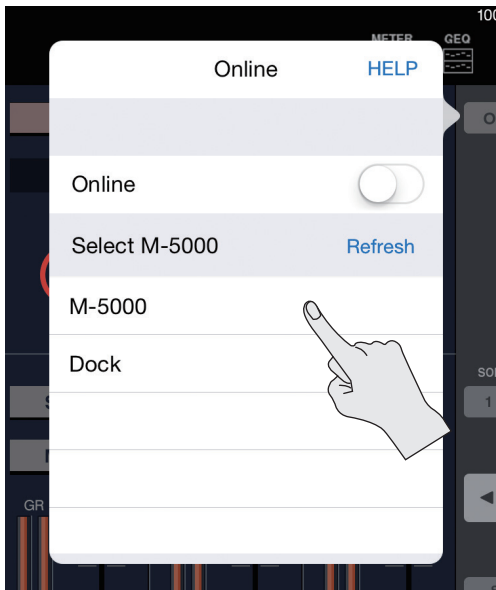
2. Tap <ONLINE>.



The Online popover appears.

3. Select the M-5000 unit to operate remotely.

The online mode is enabled.



The device name of the M-5000 connected using the DOCK cable is shown as "Dock".

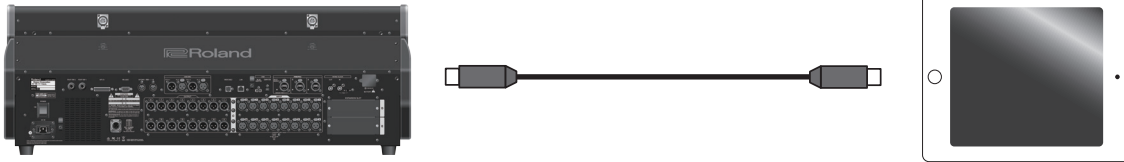
If the desired M-5000 unit is not shown on the list, tap [Refresh] to rescan.

When multiple M-5000 units are connected, change the wireless IDs for the M-5000 units to give each one a different device name.

Connecting to the M-5000

The following methods are available for connecting the M-5000 and an iPad to accomplish remote operation.

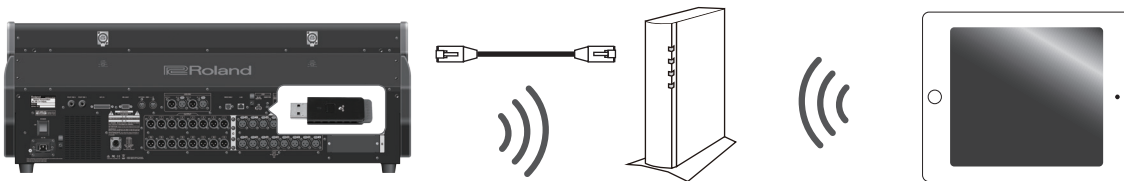
- Connection over a DOCK cable included with the M-5000 from the DOCK CABLE connector
→ “Connection over a DOCK Cable from the DOCK CABLE Connector” (p. 4)



- Direct connection over a wireless LAN
→ “Connecting in Ad-hoc Mode” (p. 5)

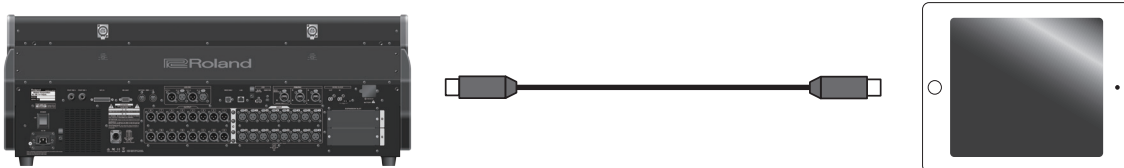


- Connection via a wireless LAN router
→ “Connection via Wireless LAN Router” (p. 6)



Connection over a DOCK Cable from the DOCK CABLE Connector

1. Use a DOCK cable included with the M-5000 to connect the M-5000's DOCK CABLE connector and the iPad.



Charging starts automatically when an iPad is connected.

Connecting in Ad-hoc Mode

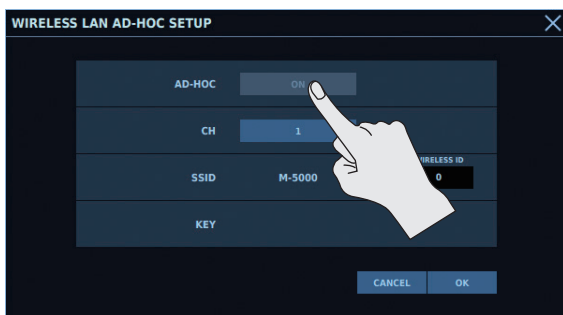
What's ad-hoc mode?

In ad-hoc mode, you connect the M-5000 and iPad directly, without going through a wireless LAN router. This is convenient when you're making the connection in a location where a wireless LAN router is not available.

1. Connect a wireless USB adapter (WNA1100-RL, available separately) to the M-5000's USB WLAN ADAPTER connector.



2. Display the WIRELESS LAN AD-HOC SETUP window (p. 9).
3. Turn on AD-HOC <ON>.



4. Tapping <CH> displays a popover for changing the ad-hoc mode channel (1 through 11).



Normally, you leave the ad-hoc mode channel unchanged. You change the channel only when having difficulty making a connection.

5. Tap <OK>.

The M-5000 enters ad-hoc mode.
6. In the iPad's network settings, select the SSID displayed in the WIRELESS LAN AD-HOC SETUP window. When a screen for entering the password appears, enter the value for KEY.

Example of network setting

Tap <Settings> → <Wi-Fi> → <Choose a Network>.

For details, refer to the iPad's documentation.

7. After ending the connection in ad-hoc mode, return the iPad's network settings to their original values.

Connection via Wireless LAN Router

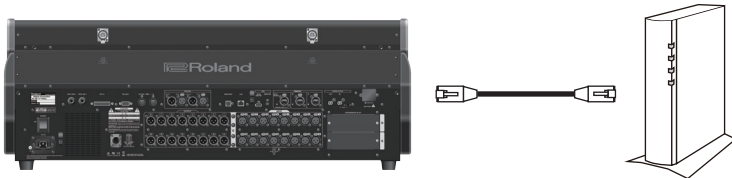
This connects the M-5000 and iPad via a wireless LAN router.

Operating the M-5000 remotely using M-5000 Remote requires connecting the iPad and the M-5000 to the same network.

For information on how to connect the iPad and the wireless LAN router, refer to the documentation for the respective devices..

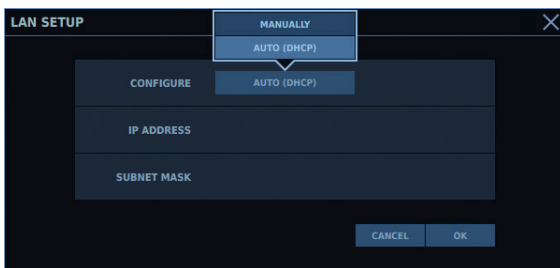
Connecting the M-5000 and Wireless LAN Router Using a LAN Cable

1. Use a network cable to connect the M-5000's LAN port and the wireless LAN router.



2. At the LAN SETUP window (p. 8), tap <CONFIGURE>.

A popover appears.



3. Tap <AUTO (DHCP)>.

4. Tap <OK>.

DHCP is enabled.

5. Enable DHCP-server functionality on the wireless LAN router.

For details, refer to the documentation for the wireless LAN router.

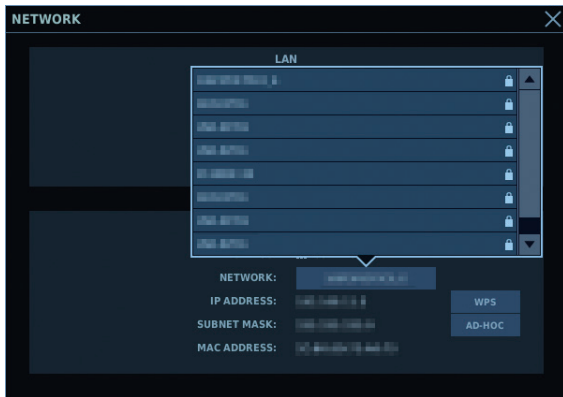
Making a Wireless Connection Between the M-5000 and Wireless LAN Router

1. Connect a wireless USB adapter (WNA1100-RL, available separately) to the M-5000's USB WLAN ADAPTER connector.



2. At the NETWORK window, tap <NETWORK>.

A popover listing access points appears.



To refresh the list, redisplay the popover.

* Names that use other than single-byte alphanumeric characters are not displayed correctly.

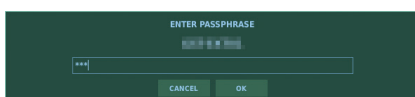
3. Tap the wireless LAN router you want to connect to.



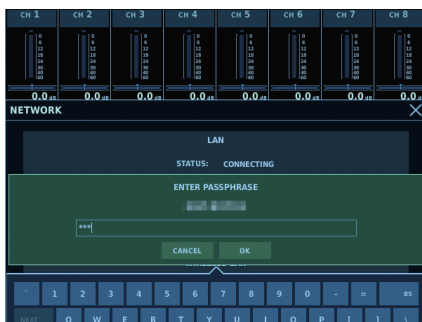
The connection is made to the selected wireless LAN router.

When you're using a wireless LAN router for the first time, the display changes to an ENTER PASSPHRASE popup.

ENTER PASSPHRASE Popup



4. Enter the security data (passphrase) for the wireless LAN router.

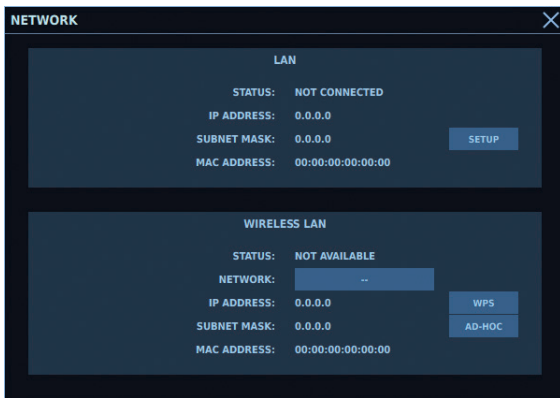


5. Tap <OK>.

The connection is made to the selected wireless LAN router.

NETWORK Window

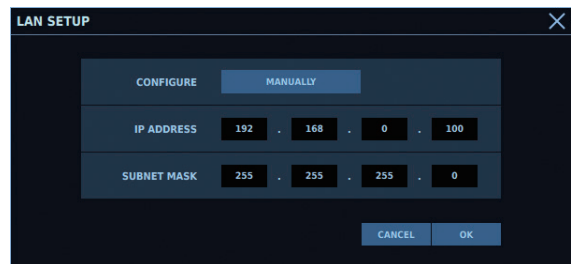
The NETWORK window is where you make settings for the network. To display the NETWORK window, go to the SYSTEM window and tap <NETWORK>.



Parameter	Description
LAN	
STATUS	This indicates the connection status of the LAN port. CONNECTED: A LAN cable is connected. NOT CONNECTED: No LAN cable is connected.
IP ADDRESS	IP address
SUBNET MASK	Subnet mask
MAC ADDRESS	MAC address
SETUP	Tapping this displays the LAN SETUP window. The LAN SETUP window is where you make settings for the LAN port.
WIRELESS LAN	
STATUS	This indicates the connection status of the USB WLAN ADAPTER connector. CONNECTED: Connected to the wireless LAN router. NOT CONNECTED: A wireless USB adapter is attached, but no connection to the wireless LAN router has been established. NOT AVAILABLE: No wireless USB adapter is attached. AD-HOC: Ad-hoc mode is in effect.
NETWORK	Tapping this displays the popover listing access points.
IP ADDRESS	IP address
SUBNET MASK	Subnet mask
MAC ADDRESS	MAC address
WPS	Tapping this makes the connection using WPS. → "Connecting Using WPS" (p. 9)
AD-HOC	Tapping this displays the WIRELESS LAN AD-HOC SETUP window. The WIRELESS LAN AD-HOC SETUP window is where you make settings for ad-hoc mode. → "WIRELESS LAN AD-HOC SETUP Window" (p. 9)

LAN SETUP Window

The LAN SETUP window is where you make settings for the LAN port.



Parameter	Description
CONFIGURE	AUTO (DHCP): This obtains the IP address automatically. MANUALLY: This lets you set the IP address manually, using the subnet mask.
IP ADDRESS	IP address Tapping this lets you change the IP address.
SUBNET MASK	Subnet mask Tapping this lets you change the subnet mask.
CANCEL	This discards any changes and quits the LAN SETUP window.
OK	This applies changes and quits the LAN SETUP window.

Connecting Using WPS

You can make a connection to a wireless LAN router by using WPS. This operation is required only at the first time. Once you have joined a network, this operation is no longer required for the second and subsequent connections.

What's WPS?

This is a function that can simplify the settings for connecting to a wireless LAN router and for security. Using WPS to connect to a wireless LAN router is recommended.

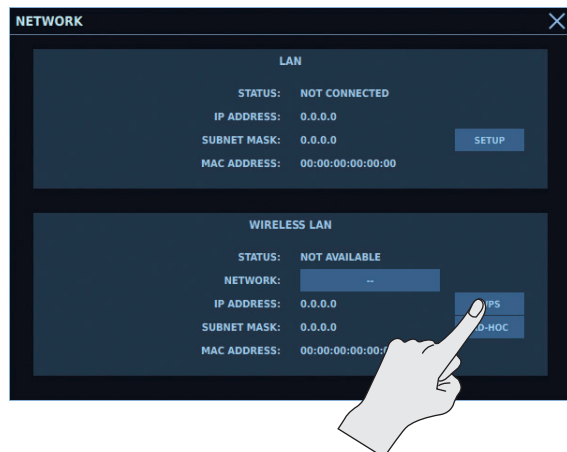
1. Insert a wireless USB adapter (a separately available WNA1100-RL) into the M-5000's USB WLAN ADAPTER connector.



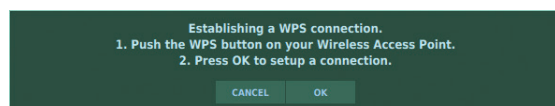
2. Wait for the icon shown below to appear in the sidebar.



3. At the NETWORK window (p. 8), tap <WPS>.



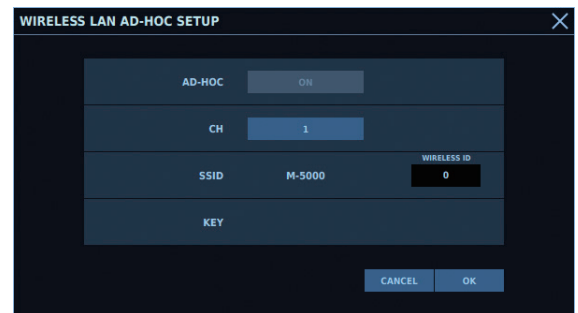
The WPS popup appears.



4. Enable WPS on the wireless LAN router.
Example: Press the WPS button on the wireless LAN router.
For information on using WPS on the wireless LAN router, refer to the documentation for the router.
5. Tap <OK>.

WIRELESS LAN AD-HOC SETUP Window

The WIRELESS LAN AD-HOC SETUP window is where you make settings for ad-hoc mode.



Parameter	Description
AD-HOC	Turning this on enables ad-hoc mode on the M-5000.
CH	Ad-hoc mode channel (1-11)
SSID	Ad-hoc SSID
WIRELESS ID	Tapping this displays a popover for making the WIRELESS ID setting.
KEY	Ad-hoc key (5 characters)
CANCEL	This discards any changes and quits the WIRELESS LAN AD-HOC SETUP window.
OK	This applies changes and quits the WIRELESS LAN AD-HOC SETUP window.

WIRELESS ID

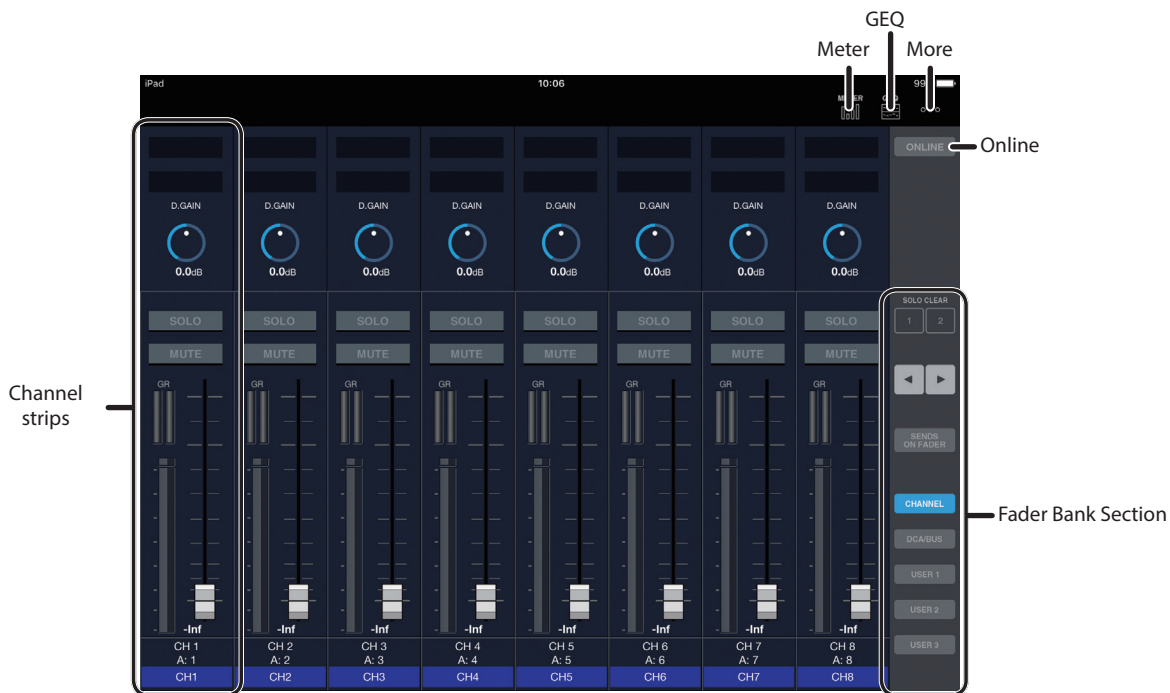
What's WIRELESS ID?

This determines the M-5000's device name and ad-hoc SSID that are displayed by the application making the wireless connection. Although a setting of "0" is usual, when multiple M-5000 units are present on the network, you can change the device name and ad-hoc SSID for each one as shown below by setting WIRELESS ID to a value from 1 to 99.

- Wireless ID=0: "M-5000" or "M-5000C" (default)
- Wireless ID=1: "M-5000-1" or "M-5000C-1"
- :
- Wireless ID=99: "M-5000-99" or "M-5000C-99"

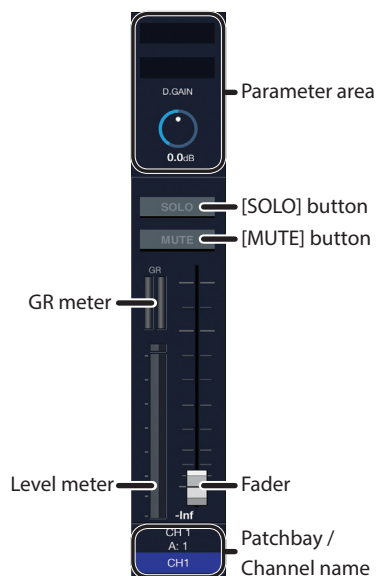
HOME Screen

When the M-5000 starts up, the HOME screen is displayed.
 Elements that have the same names as on the M-5000 function in the same way.



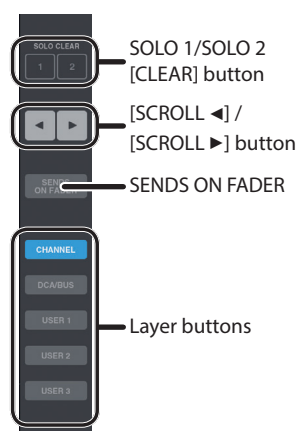
Name	Description
Meter	This displays the METER screen. → "Displaying the METER Screen" (p. 24)
GEQ	This displays the GEQ screen. → "Displaying the GEQ Screen" (p. 20)
More	This displays the HOME screen's expanded functions. → "Expanded Functions on the HOME Screen" (p. 13)
Online	This displays the Online popover. → "Entering the Online Mode" (p. 3)
Channel Strips	→ "Channel Strips" (p. 11)
Fader Bank Section	→ "Fader Bank Section" (p. 11)

Channel Strips



Name	Description
Parameter area	<p>This displays the following parameters.</p> <ul style="list-style-type: none"> • GAIN • D.GAIN • HPF • AUX • PAN • DYN 1 THRESH • DYN 2 THRESH • DELAY • DIRECT LEV <p>→ "Expanded Functions on the HOME Screen" (p. 13)</p>
GR meter	Gain reduction of DYNAMICS 1/2
Patchbay/Channel name	<p>Input patchbay/Output patchbay/Channel name/Channel color</p> <p>Tapping this displays the CH EDIT screen.</p> <p>→ "Displaying the CH EDIT Screen" (p. 14)</p>

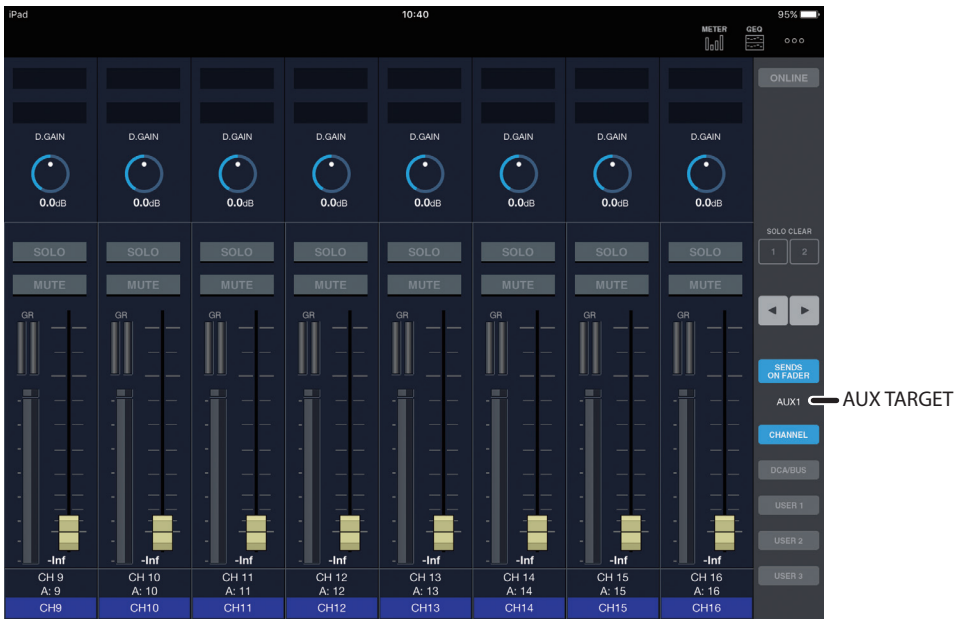
Fader Bank Section



Adjusting the Send Level to AUX (SENDS ON FADER)

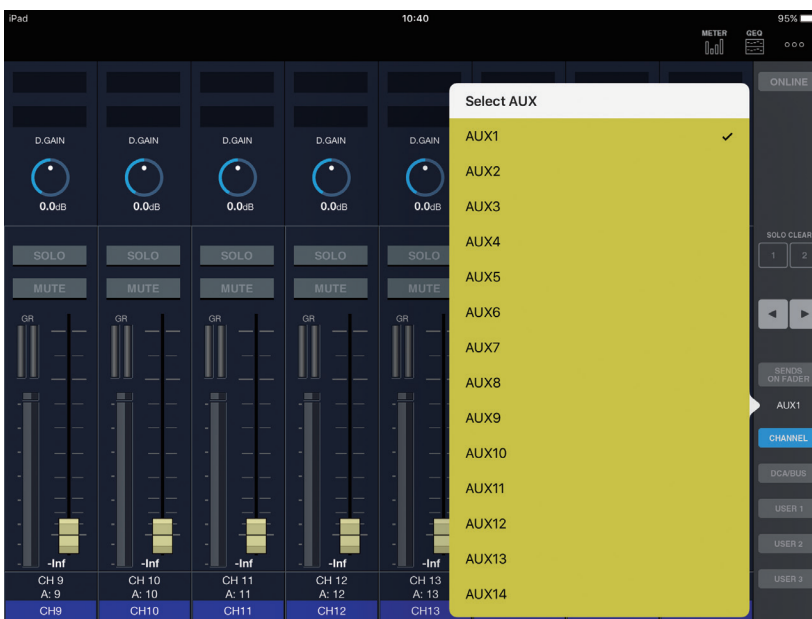
1. Tap <SENDS ON FADER>.

The SENDS ON FADER mode is activated, and you can use faders to adjust the send level to the AUX.



2. Tap <AUX TARGET>.

A popover for selecting an AUX is displayed.



3. Select the AUX you want to work with.

This lets you manipulate the send level for the selected AUX.

Expanded Functions on the HOME Screen

Tapping <MORE> displays the HOME screen's expanded functions.



Name	Description
GAIN/D.GAIN/HPF/AUX/PAN/DYN1 THRESH/DYN2 THRESH/DELAY/DIRECT LEV	<p>The following parameters are displayed on the HOME screen.</p> <ul style="list-style-type: none"> • GAIN • D.GAIN • HPF • AUX • PAN • DYN 1 THRESH • DYN 2 THRESH • DELAY • DIRECT LEV
Peak Clear	This clears the level meter's peak hold or over indication.
Version	Version information

CH EDIT Screen

Displaying the CH EDIT Screen

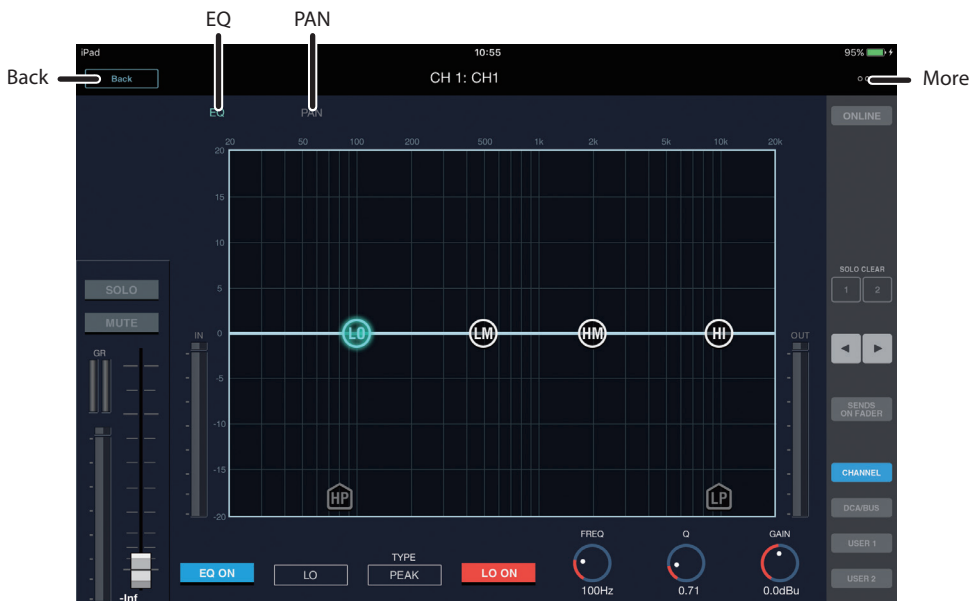
1. At the HOME screen, tap <patchbay/channel name>.



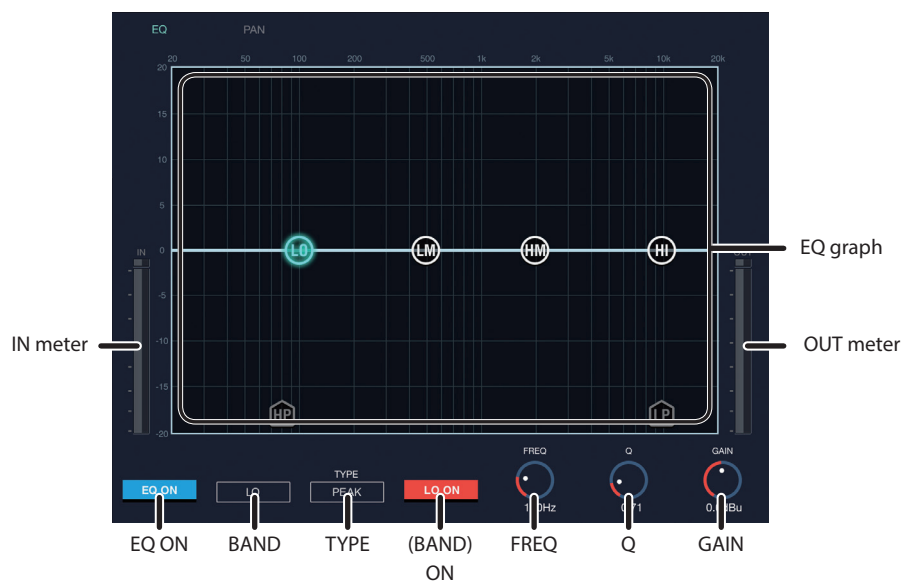
The CH EDIT screen appears.

EQ Tab

In the EQ tab, you make the settings for HPF, LPF, and 4-BAND EQ.

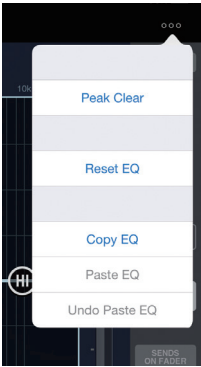


Name	Description
Back	Tapping this displays the HOME screen.
EQ	Tapping this displays the EQ tab.
PAN	Tapping this displays the PAN tab. → "PAN Tab" (p. 16)
More	This displays the EQ tab's expanded functions. → "Expanded Functions on the EQ Tab" (p. 16)



Name	Description
IN meter	EQ input level
EQ graph	General characteristics for EQ and LPF/HPF Tapping each respective circle lets you work with FREQ and GAIN. You use pinch-in and pinch-out gestures to manipulate Q.
OUT meter	EQ output level
EQ ON	This turns EQ on/off.
BAND	Tapping this displays a popover for selecting a band.
TYPE	Tapping this displays a popover for selecting a filter type. <ul style="list-style-type: none"> • PEAK: Peaking • LSV: Low shelving • HSV: High shelving • HPF: High-pass filter (-6 dB/oct) • HPF2-HPF4: High-pass filter (-12dB/oct, -18dB/oct, -24dB/oct) • LPF: Low-pass filter (-6dB/oct) • LPF2: Low-pass filter (-12dB/oct) • BPF: Bandpass filter • NOTCH: Notch filter • LSV2: Low shelving with controllable Q • HSV2: High shelving with controllable Q
(HPF/LO/LM/HM/Hi/LPF) ON	This turns the respective band on/off.
FREQ	Center frequency
Q	Sharpness of the frequency-response curve
GAIN	Gain

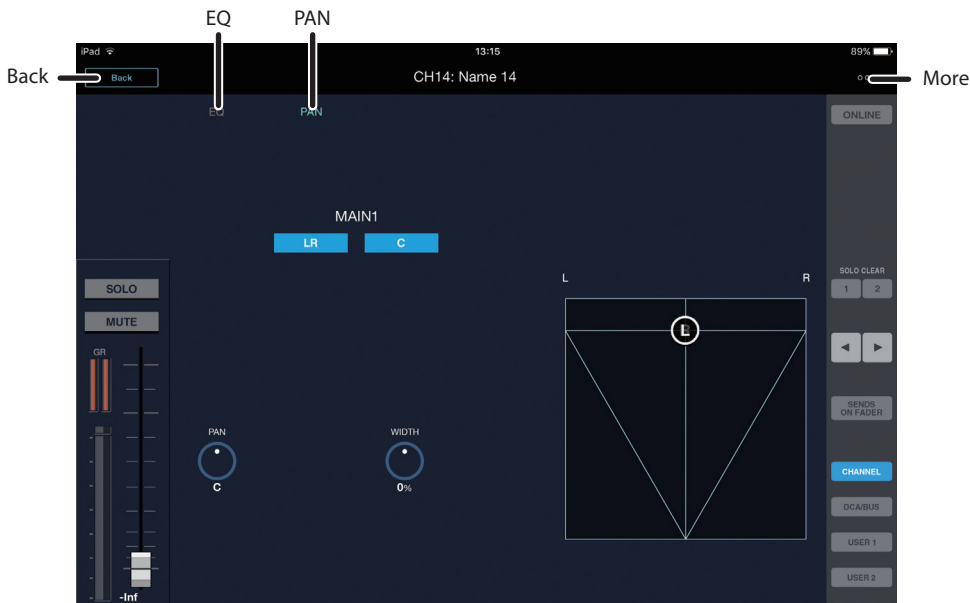
Expanded Functions on the EQ Tab



Name	Description
Peak Clear	This clears the level meter's peak hold or over indication.
Reset EQ	This initializes the 4-BAND EQ settings. * HPF/LPF are not initialized.
Copy EQ	This copies the EQ settings.
Paste EQ	This pastes the EQ settings.
Undo Paste EQ	This undo (cancel) the last paste operation.

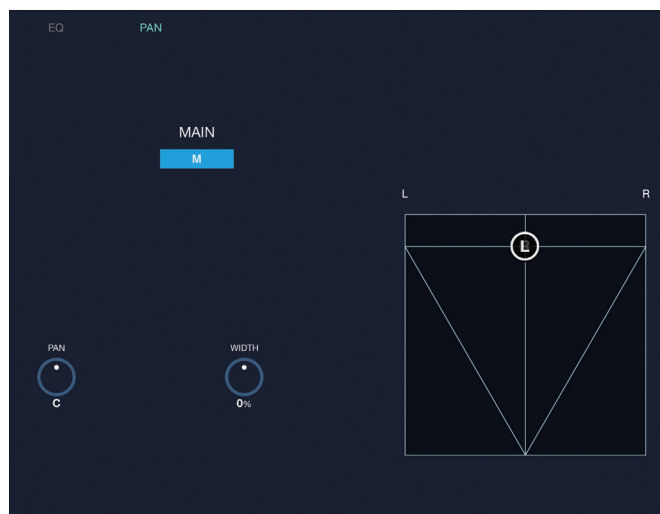
PAN Tab

In the PAN tab, you set panning when sending to MAIN, SUBGROUP (stereo), and MIX-MINUS (stereo).



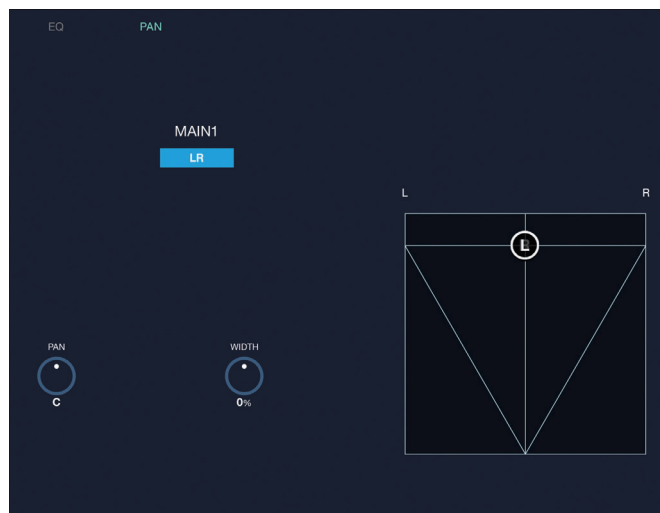
Name	Description
Back	Tapping this display the HOME screen.
EQ	Tapping this display the EQ tab.
PAN	Tapping this display the PAN tab.
More	This displays the PAN tab's expanded functions. → "Expanded Functions on the PAN Tab" (p. 19)

PAN Tab (MONO)



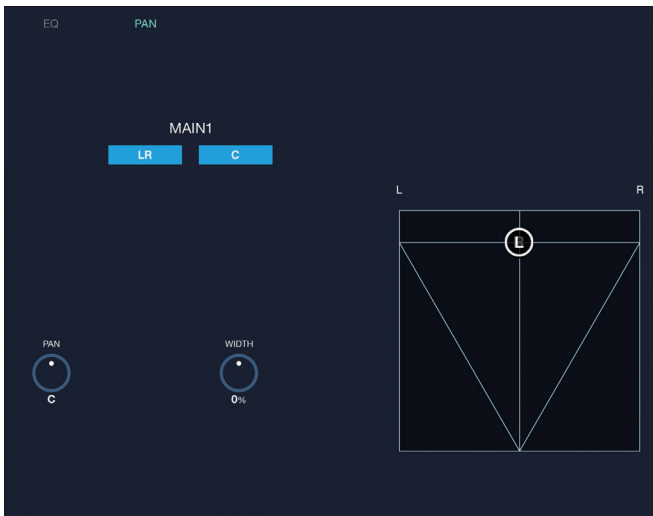
Name	Description
MAIN M	Sends the signal to MAIN M (monaural).
PAN	Sends pan to SUBGROUP (stereo), and MIX-MINUS (stereo). Sets the width of the stereo image.
WIDTH	You can maintain the stereo-image width set here while working with PAN. -100%–100% * This is displayed when the input channel/output bus being manipulated is set to STEREO.

PAN Tab (LR)



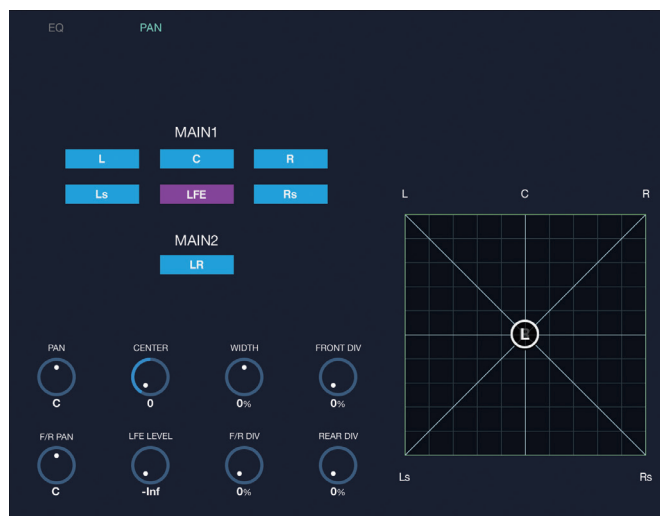
Name	Description
MAIN LR	Sends the signal to MAIN LR.
PAN	Sends pan to MAIN LR, SUBGROUP (stereo), and MIX-MINUS (stereo). Sets the width of the stereo image.
WIDTH	You can maintain the stereo-image width set here while working with PAN. -100%–100% * This is displayed when the input channel/output bus being manipulated is set to STEREO.

PAN Tab (LCR/CROSS-MATRIX LCR)



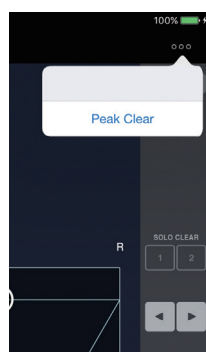
Name	Description
MAIN LR	Sends the signal to MAIN LR.
MAIN C	Sends the signal to MAIN C.
MAIN LCR	Sends the signal to MAIN LCR.
LCR PAN	Specifies how signals are sent to MAIN LR and MAIN C.
PAN	Sends pan to MAIN LR/MAIN LCR, SUBGROUP (stereo), and MIX-MINUS (stereo).
CENTER	Sets the ratio of the signal sent to MAIN C when PAN is set to C (center). This is displayed when LCR PAN is on.
WIDTH	Sets the width of the stereo image. You can maintain the stereo-image width set here while working with PAN. -100%–100% * This is displayed when the input channel/output bus being manipulated is set to STEREO.

PAN Tab (5.1)



Name	Description
MAIN L	Sends the signal to MAIN L.
MAIN C	Sends the signal to MAIN C.
MAIN R	Sends the signal to MAIN R.
MAIN Ls	Sends the signal to MAIN Ls (Left Surround).
MAIN LFE	Sends the signal to MAIN LFE (Low-Frequency Effects).
MAIN Rs	Sends the signal to MAIN Rs (Right Surround).
PAN	Send pan along the X (horizontal) axis (left-right)
CENTER	Sets the ratio of the signal sent to MAIN C when PAN is set to C (center). Sets the width of the stereo image.
WIDTH	You can maintain the stereo-image width set here while working with PAN. -100%–100% * This is displayed when the input channel/output bus being manipulated is set to STEREO.
FRONT DIV	Front Divergence Adjusts the amount of divergence along the X axis at the front.
F/R PAN	Send pan along the Y axis (front-rear)
LFE LEVEL	Send level to MAIN LFE
REAR DEV	Rear Divergence Adjusts the amount of divergence along the X axis at the rear.
F/R DIV	Front/Rear Divergence Adjusts the amount of divergence along the Y axis.

Expanded Functions on the PAN Tab



Name	Description
Peak Clear	This clears the level meter's peak hold or over indication.

GEQ Screen

In the GEQ screen, you make the settings for 31-band GEQ and 8-band PEQ.

Displaying the GEQ Screen

1. At the HOME screen, tap <GEQ>.



The GEQ screen appears.

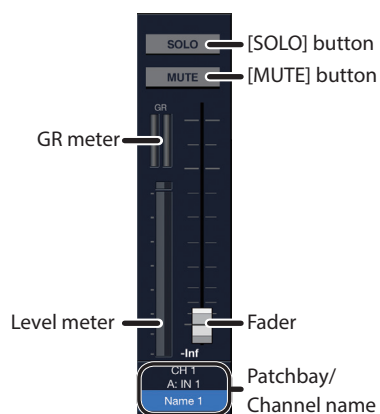
GEQ Screen (GEQ)



Name	Description
Back	This displays the HOME screen.
More	This displays the GEQ screen's expanded functions. → "Expanded Functions on the GEQ Screen" (p. 22)
BYPASS	Bypass
◀/▶	This selects the previous/next GEQ.
GEQ selection	This selects the GEQ to work with (1-32).
Online	This displays the Online popover. → "Entering the Online Mode" (p. 3)
GEQ LEVEL	GEQ level
Channel strip	This displays the channel strip for the inserted input channel/output bus. → "Channel Strip" (p. 21)
GEQ overview	This displays the 31-band GEQ settings and the input level/output level.
GEQ fader	This boosts or cuts the respective frequency band. You swipe left or right to change displayed range.

Channel Strip

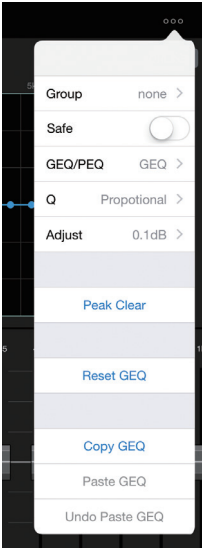
This displays the channel strip for the inserted input channel/output bus.



Name	Description
GR meter	Gain reduction of DYNAMICS 1/2
Patchbay/Channel name	Input patchbay/Output patchbay/Channel name/Channel color

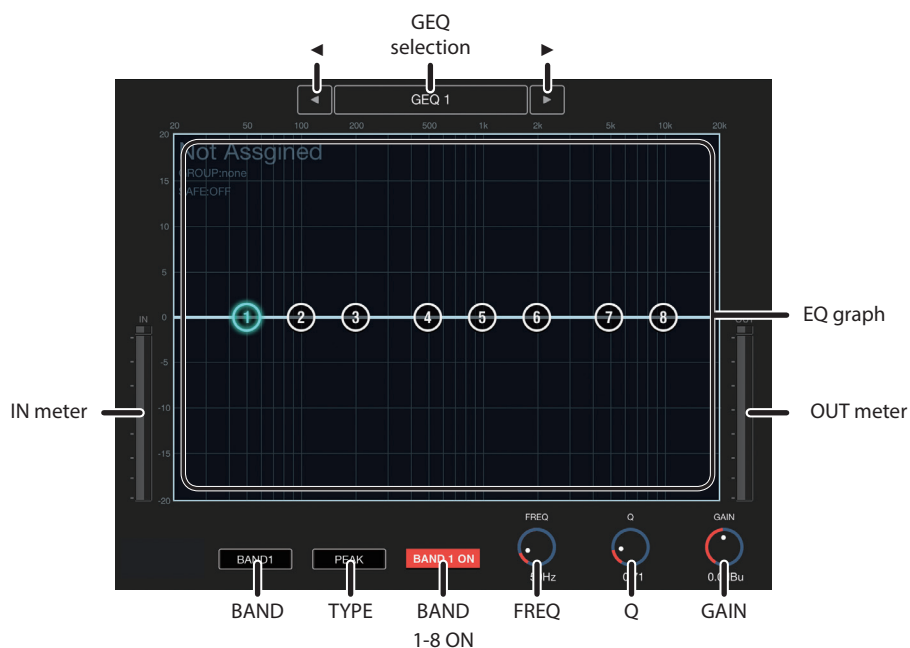
Expanded Functions on the GEQ Screen

Tapping <MORE> displays the GEQ screen's expanded functions.



Name	Description
Group	This selects the GEQ group.
Safe	This excludes the GEQ from scene recall.
GEQ/PEQ	This selects GEQ or PEQ. The window display changes when this is set to PEQ.
Q	This selects the type of Q for the GEQ. <ul style="list-style-type: none"> • PROPORTIONAL (larger boost/cut amounts yield greater Q) • CONSTANT (constant Q)
Adjust	This selects from among the following as the operational amount for GEQs. <ul style="list-style-type: none"> • 0.1dB steps • 0.5dB steps
Peak Clear	This clears the level meter's peak hold or over indication.
Reset GEQ	This initializes the GEQ settings.
Copy GEQ	This copies the GEQ settings.
Paste GEQ	This pastes the GEQ settings.
Undo Paste GEQ	This undo (cancel) the last paste operation.

GEQ Screen (PEQ)



Name	Description
◀/▶	This selects the previous/next GEQ.
GEQ selection	This selects the GEQ to work with (1-32).
IN meter	PEQ input level
EQ graph	General characteristics for PEQ Tapping each respective circle lets you work with FREQ and GAIN. You use pinch-in and pinch-out gestures to manipulate Q.
OUT meter	PEQ output level
BAND	Tapping this displays a popover for selecting a band.
TYPE	Tapping this displays a popover for selecting a filter type. <ul style="list-style-type: none"> • PEAK: Peaking • LSV: Low shelving • HSV: High shelving • HPF: High-pass filter (-6 dB/oct) • HPF2-HPF4: High-pass filter (-12dB/oct, -18dB/oct, -24dB/oct) • LPF: Low-pass filter (-6 dB/oct) • LPF2: Low-pass filter (-12 dB/oct) • BPF: Bandpass filter • NOTCH: Notch filter • LSV2: Low shelving with controllable Q • HSV2: High shelving with controllable Q
BAND 1-8 ON	This turns the respective band on/off.
FREQ	Center frequency
Q	Sharpness of the frequency-response curve
GAIN	Gain

METER Screen

On the METER screen, you can overview all meters and faders for input channels, output buses, and monitor.

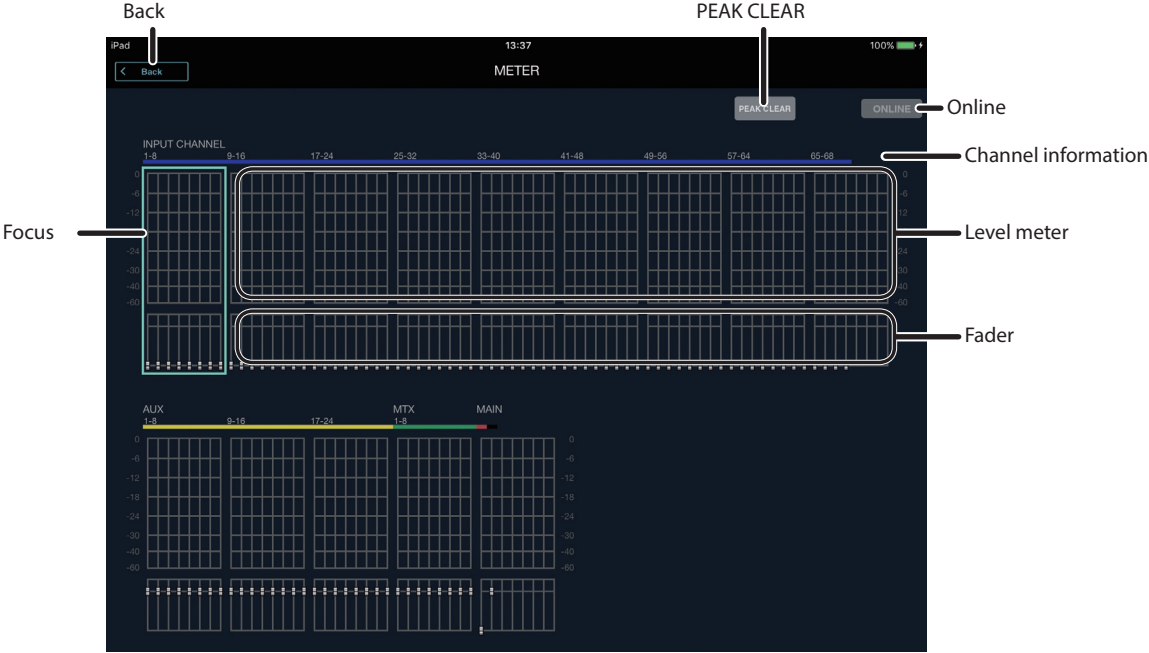
Displaying the METER Screen

1. At the HOME screen, tap <Meter>.



The METER screen appears.

METER Screen



Name	Description
Back	This displays the HOME screen.
PEAK CLEAR	This clears the level meter's peak hold or over indication.
ONLINE	This displays the Online popover. → "Entering the Online Mode" (p. 3)
Focus	This shows the input channels/output buses displayed on the HOME screen. You tap the level meters or faders to change the input channels or output buses displayed on the HOME screen and to display the HOME screen.
Channel Information	This displays the type of input channel or output bus, the channel number, and the channel color.
Level meter	This displays the signal level of the input channel/output bus.
Fader	This displays the fader for the input channel/output bus.