



MyMon

On-stage Monitor Mix Controller for Mobile Devices

User Guide



About

FOH engineers and recording studio engineers often need to make personalized monitor mixes for each musician on stage or in the studio. Creating these specific mixes can be time consuming and nerve wracking. MyMon is a mobile application (iOS and Android) that moves the process of controlling monitor mixes from engineer to the artist. It enables each musician to control a dedicated aux mix in an eMotion LV1 FOH mixer or SoundGrid Studio and create a customized monitor mix over a dedicated Wi-Fi network.

Capabilities

Up to sixteen mobile devices can control aux monitor channels in eMotion LV1 or SoundGrid Studio, depending on the mixer size and aux channels configuration.

Minimum Requirements

- MyMon remote module installed in the FOH eMotion LV1 mixer or SoundGrid Studio
- A robust 5GHz Wi-Fi router positioned on the stage or live room
- An Ethernet cable connecting the LV1 or SoundGrid Studio host computer with the Wi-Fi router. (Note: the MyMon Wi-Fi network must be independent of the SoundGrid network.)
- MyMon Mobile App is installed on each iOS or Android device.

Setting Up

Refer to the Mobile Apps Setup Guide for setup procedure.

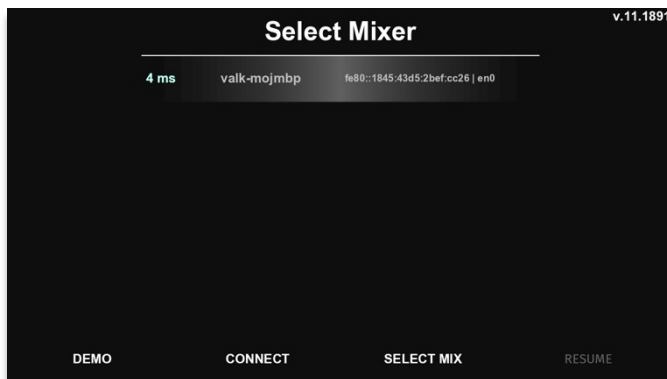


MyMon App:

All MyMon screens are available in Landscape and Portrait modes.

To get the most out of the MyMon app, enable Screen Rotation in the mobile device's settings.

Connection Screen: "Select Mixer"



When the app starts, it will search the network for available LV1s. Located LV1 hosts are displayed in the *Select Mixer* list.



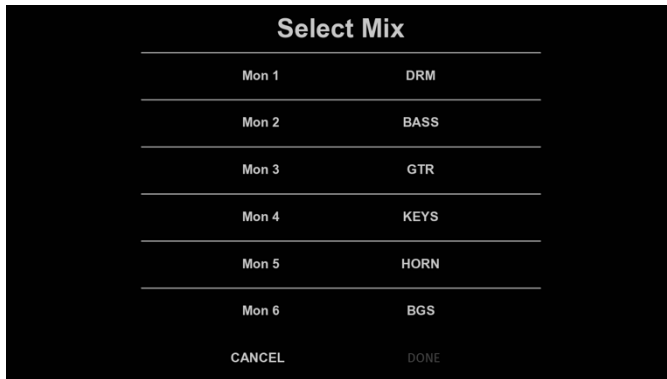
If no LV1 hosts are found, the **Demo** button on the bottom left will activate. The Demo mode lets you browse through MyMon pages and controls, but since there is no network connection, it cannot control the monitor mix.

When a network connection is established, the **Select Mix** button becomes available.

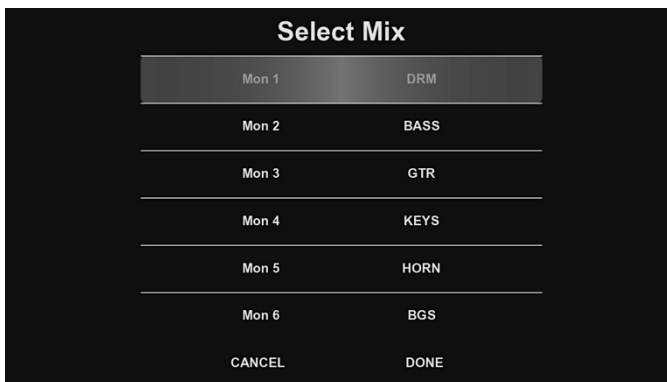


Connections Page: “Select Mix”

Touch the **Select Mix** button to see a list of available monitor mix channels in the current LV1 session.



If you've already assigned names to the monitor mixes on the LV1 aux channels, they will be displayed next to the Mon number.



Select the desired mix and click **Done**. This will open the Faders/Mixer view.

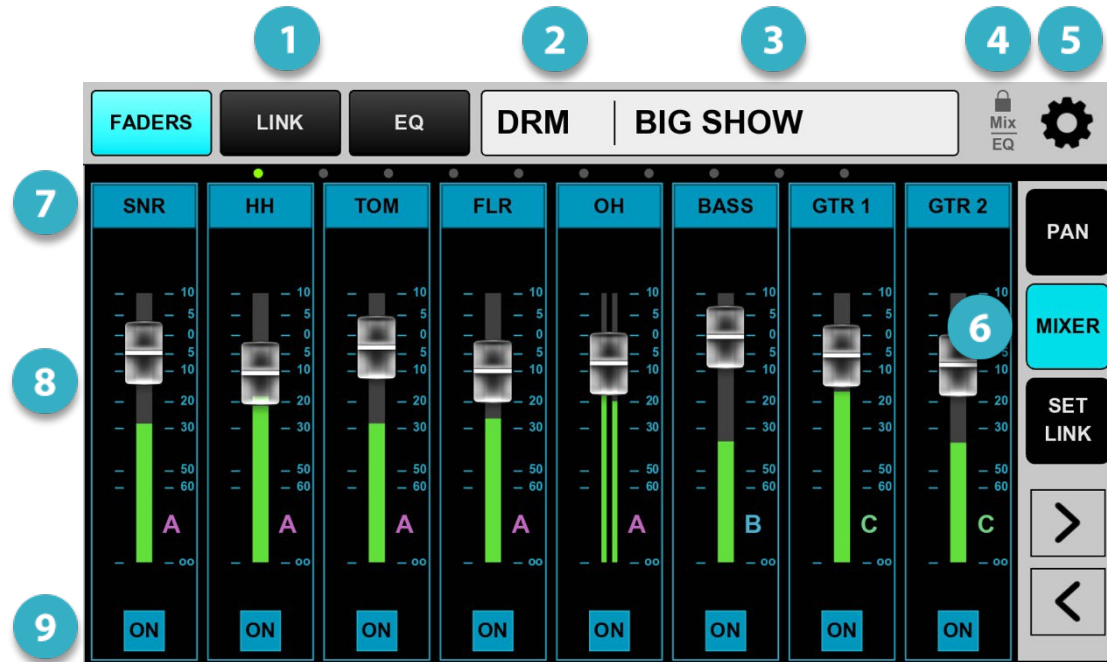
Cancel returns you to the Connections page.

Click the **Resume** button to return to Mixer view.



Faders Mode: Mixer View

Once you select a mix, the Mixer view will appear. This is where available channels of the monitor mix are controlled. You can navigate to any of the mix controls from here.



- 1 Mode Select** (Faders view only)
Sets what kind of parameters are controlled.
- 2 Selected Mix Display**
(in this case, “DRUMS”)
- 3 LV1 Current Snapshot Display**
(in this case, “Big Show”)
- 4 Lock Indicator**
No changes are allowed by the user
- 5 Return to Select Mixer List**
- 6 View Select** (Faders mode only)
Choose what to control in the Faders mode.
- 7 Input Channels names** of the LV1 session
- 8 Aux level faders and meters**
- 9 Mute switches**

The number of available channels depends on the LV1 configuration:

16 channels: Inputs 1–16

32 channels: Inputs 1–32: Groups 1–8, FX Returns*

64 channels: Inputs 1–64: Groups 1–8, FX Returns*

**FX Returns are available only on LV1 Mon mixes.*



Each fader controls the aux send level of one input channel. Master mix volume is controlled in the Gang mode or EQ mode.

Aux channels are displayed in banks of eight. The current fader bank is identified by a row of small dots above the faders. Swipe faders to scroll to higher or lower channels or click the arrows on the right side to move in banks of eight faders. Continue clicking and you'll find yourself once again at the first bank (it's a circle).

Faders Mode: Pan View

In stereo mixes, use the Pan view to control the pan/balance of an input channel.



If the selected mix is mono, the pan controls will be grayed out.

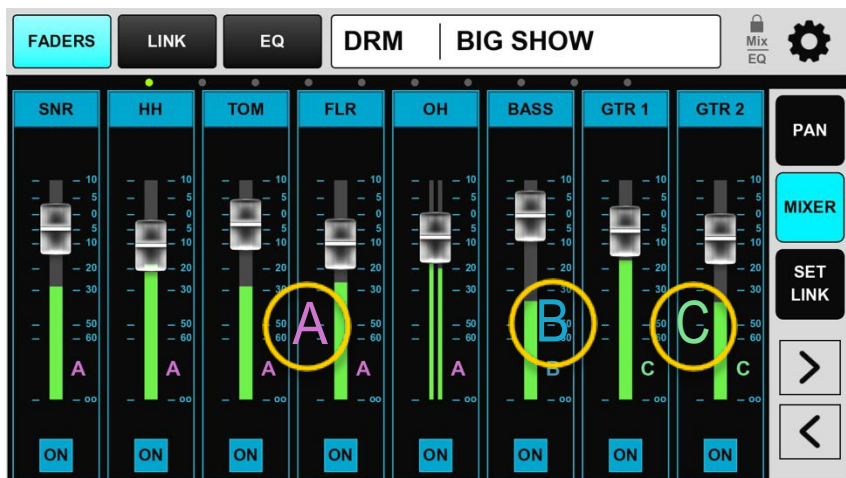


Faders Mode: Set Link View

You can link together two or more channel faders and then control them with a single fader. This function is quite similar to a Link function in the eMotion LV1 mixer. There are four independent Links with corresponding faders: A, B, C, and D. Up to 64 channels can be assigned to a Link (depending on the mixer configuration). An individual channel can have only one link assignment.



Channels are *assigned* to links in the Faders Mode/Set Link view. Groups of linked faders are *controlled* remotely in the Link Mode (see next page).

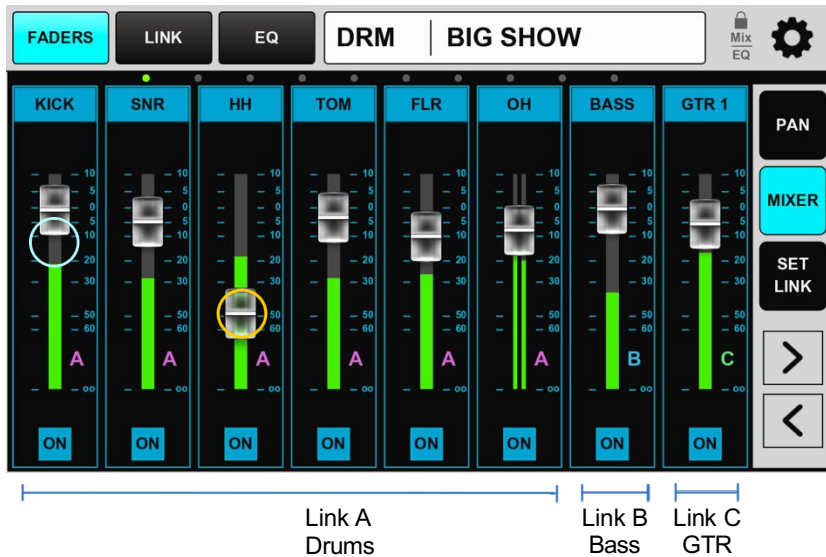


In the Faders/Mixer view, each channel's Link Assignment letter is indicated on its channel strip.



Link Mode

Channels assigned to a Link are controlled in the Link mode (bottom image). Each Link has a fader, a meter, and a mute button. Adjust a Link fader: the faders of all channels assigned to it will move together, with offsets maintained.



Within a Link, the channel faders with the highest and lowest values define the range of motion of the entire group. You cannot move the group of linked faders beyond these limits.

In this example there are two Links: Link A includes the drum channels. Link B is the bass. In Link A, the SN B channel has the lowest fader position and KICK has the highest. These values define the limits of fader movement. The BASS channel has an even higher position, but it is in Link B so it's not relevant here.



The range of a Link fader is indicated on the Link meter. The center of the fader (here circled blue) marks the top limit of the fader. The white line on the meter (circled yellow) indicates the lowest possible fader position.

The BASS channel is the only member of Link B, so the BASS fader and the Link B fader have the same value. The Link Mute button is absolute: all channel mutes will be set on or off together.

The master volume of the app can be controlled with the fader on the right.



Naming Links



To rename a Link, click on its name box. This opens a pop-up keyboard. When finished, click the keyboard button on the bottom left side.

Storing MyMon Session Settings/Assignments

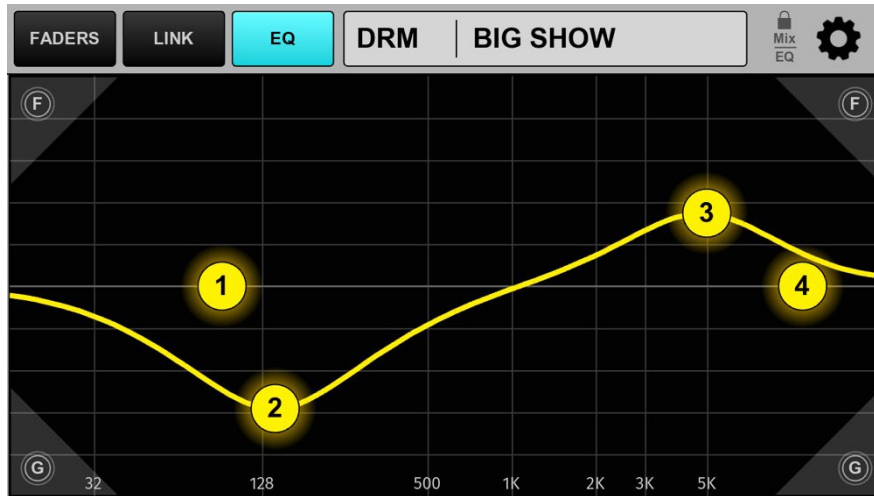
MyMon app stores Link names and Link assignments (per session and selected mix) on the mobile device.

If MyMon app recognize the LV1 session, it will automatically reconnect to the known session with the last Link assignments and names used.



EQ Mode

The EQ mode controls an EMO-Q4 equalizer at the end of the LV1 mix chain. The landscape and portrait modes differ slightly.



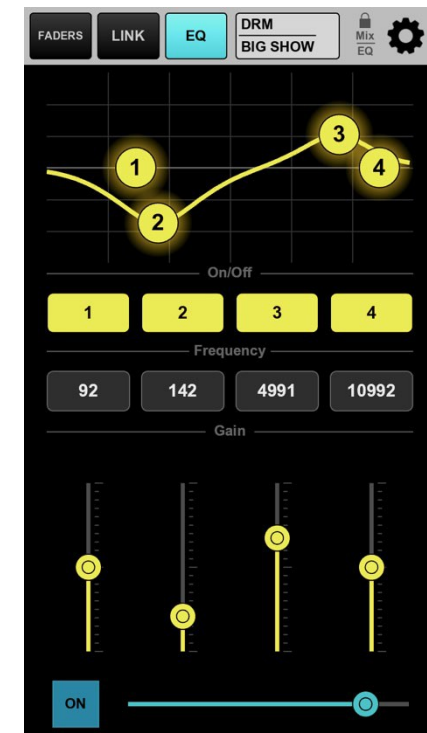
- Drag the markers to adjust frequency and gain.
- To adjust frequency without affecting gain, hold one of the **F** buttons while dragging left or right. As long as **F** is held, you will not be able to move the cursor up or down, thus locking gain.
- Hold **G** to control gain only and lock frequency.

EQ View – Portrait Mode (right)

Frequency and gain are controlled in the same manner as in landscape, except there is no gain or frequency lock option here. In addition to the graphic EQ control, the portrait format provides these dedicated controls for each band:

- Band On/Off toggle
- Frequency control: swipe left or right on a value box to change a band's frequency.
- Bands Gain control: swipe up or down on a value box to change a band's gain.

The EQ View in Portrait format also features Mix Master volume control and Mix Mute toggle, both at the bottom of the window.



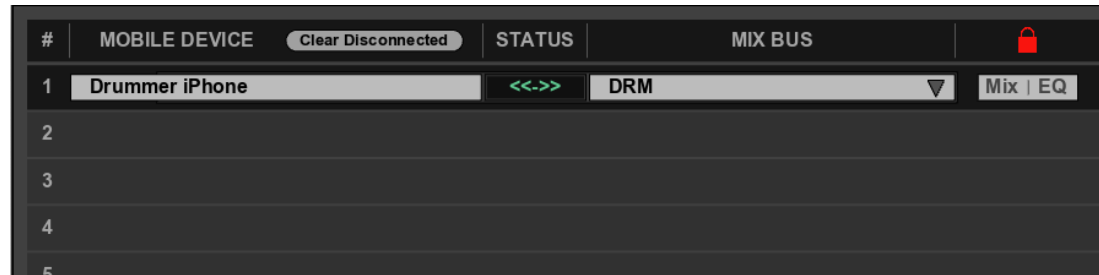
Double Tap to Reset Feature

You can reset the following controls to their default positions by double tapping on the control:

- Input Faders are reset to 0 dB
- Pans are reset to Center
- EQ Markers are reset to 0 dB gain
- EQ Band Gains in Portrait mode are reset to 0 dB
- Master Output fader is reset to 0 dB.

Control Panel:

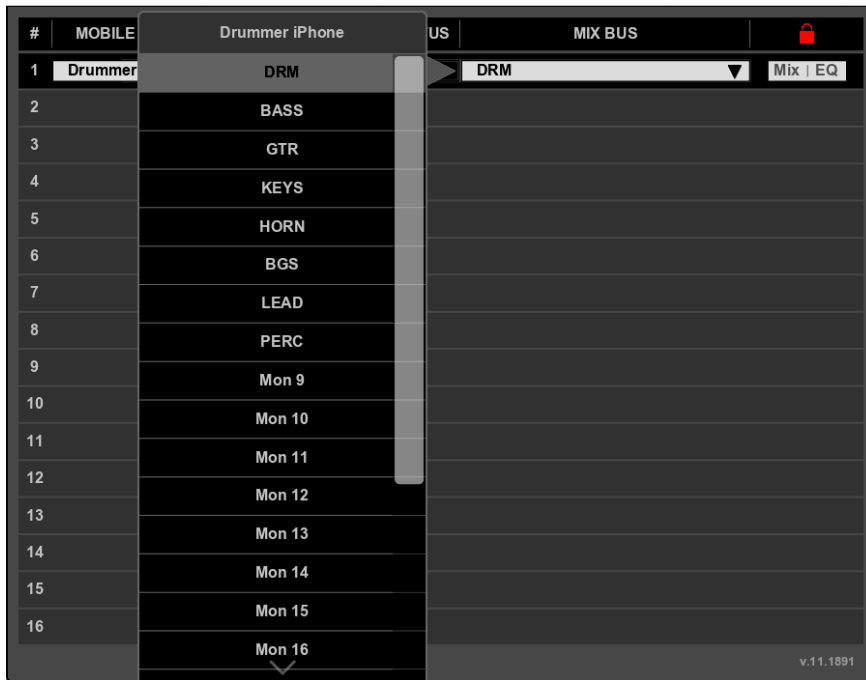
The FOH Engineer can use the MyMon Control Panel on the LV1 to view and manage connected devices.



#	MOBILE DEVICE	Clear Disconnected	STATUS	MIX BUS	
1	Drummer iPhone		<<->>	DRM	Mix EQ
2					
3					
4					
5					

The unique Mobile Device name is set under Device settings. The Mix Bus selection reflects the user choice in the MyMon app.





The LV1 engineer can assist a musician by selecting the correct mix from the menu.



A red arrow indicates that a device is disconnected from the LV1. Disconnected devices can be cleared from the control panel by clicking the **Clear Disconnected Devices** button.

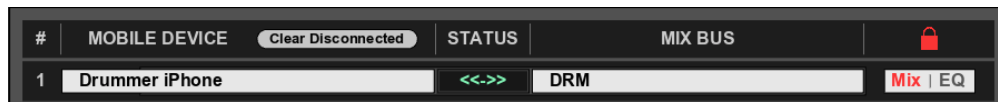


Lock Feature

MyMon can be locked from FOH in two ways:

Mix Lock secures an assigned device to a designated mix, which prevents the user from selecting another mix and thus potentially altering it.

EQ Lock prevents stage musicians from adjusting the mix master EQ. This is especially useful for monitor wedge mixes.



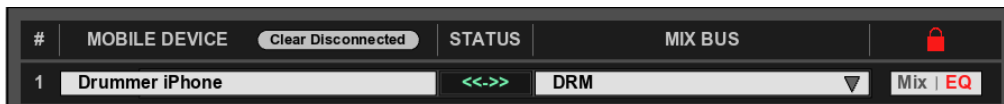
To activate Mix Lock from MyMon Control Panel on the LV1, click on the Mix toggle under Lock icon.

Note: The Mix Selection menu is disabled when Mix Lock is active.





The MyMon app Mix Lock icon will turn red to reflect the Lock status in control panel.



Click on the EQ toggle to activate EQ Lock.



MyMon app EQ Lock icon will turn red to reflect the Lock status in control panel.




MyRemote Control Panel Update

Channel Display Feature

You can now use the MyRemote Control panel to control which channels are displayed in the MyMon app. To enter the display mode, click on the Eye icon in the upper-left corner.

All available channels will be listed.

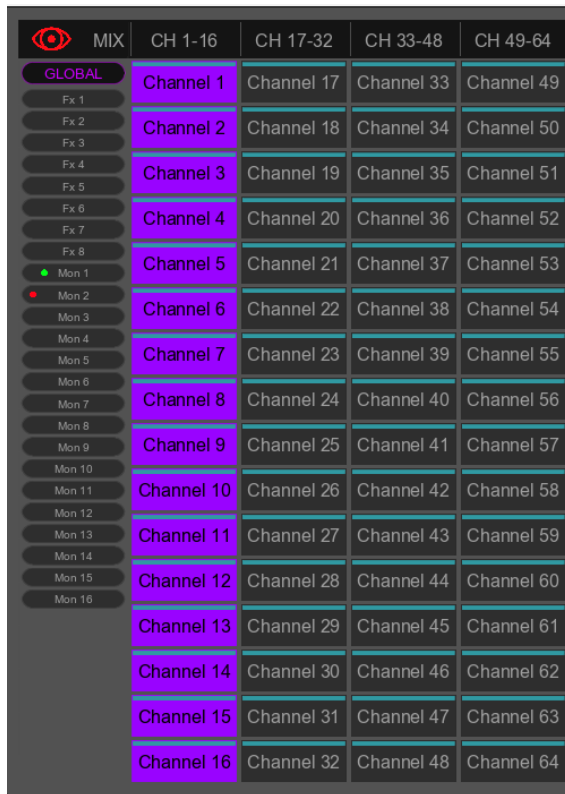
 MIX		CH 1-16	CH 17-32	CH 33-48	CH 49-64	GRP/FX	MONITOR
GLOBAL		Channel 1	Channel 17	Channel 33	Channel 49	Group 1	Mon 1
DRUMS	Fx 2	Channel 2	Channel 18	Channel 34	Channel 50	Group 2	Mon 2
Fx 3	Fx 4	Channel 3	Channel 19	Channel 35	Channel 51	Group 3	Mon 3
Fx 5	Fx 6	Channel 4	Channel 20	Channel 36	Channel 52	Group 4	Mon 4
Fx 7	Fx 8	Channel 5	Channel 21	Channel 37	Channel 53	Group 5	Mon 5
Mon 1	Mon 2	Channel 6	Channel 22	Channel 38	Channel 54	Group 6	Mon 6
Mon 3	Mon 4	Channel 7	Channel 23	Channel 39	Channel 55	Group 7	Mon 7
Mon 5	Mon 6	Channel 8	Channel 24	Channel 40	Channel 56	Group 8	Mon 8
Mon 7	Mon 8	Channel 9	Channel 25	Channel 41	Channel 57	DRUMS	Mon 9
Mon 9	Mon 10	Channel 10	Channel 26	Channel 42	Channel 58	Fx 2	Mon 10
Mon 11	Mon 12	Channel 11	Channel 27	Channel 43	Channel 59	Fx 3	Mon 11
Mon 13	Mon 14	Channel 12	Channel 28	Channel 44	Channel 60	Fx 4	Mon 12
Mon 15	Mon 16	Channel 13	Channel 29	Channel 45	Channel 61	Fx 5	Mon 13
		Channel 14	Channel 30	Channel 46	Channel 62	Fx 6	Mon 14
		Channel 15	Channel 31	Channel 47	Channel 63	Fx 7	Mon 15
		Channel 16	Channel 32	Channel 48	Channel 64	Fx 8	



Global Tab

The Global tab controls which channels are displayed in all mixes in the MyMon app. Global settings overwrite settings in individual mixes.

To hide channels from all mixes in the MyMon app, select the desired channels under the Global tab. All hidden channels will be highlighted in purple.



MIX	CH 1-16	CH 17-32	CH 33-48	CH 49-64
GLOBAL	Channel 1	Channel 17	Channel 33	Channel 49
Fx 1	Channel 2	Channel 18	Channel 34	Channel 50
Fx 2	Channel 3	Channel 19	Channel 35	Channel 51
Fx 3	Channel 4	Channel 20	Channel 36	Channel 52
Fx 4	Channel 5	Channel 21	Channel 37	Channel 53
Fx 5	Channel 6	Channel 22	Channel 38	Channel 54
Fx 6	Channel 7	Channel 23	Channel 39	Channel 55
Fx 7	Channel 8	Channel 24	Channel 40	Channel 56
Fx 8	Channel 9	Channel 25	Channel 41	Channel 57
Mon 1	Channel 10	Channel 26	Channel 42	Channel 58
Mon 2	Channel 11	Channel 27	Channel 43	Channel 59
Mon 3	Channel 12	Channel 28	Channel 44	Channel 60
Mon 4	Channel 13	Channel 29	Channel 45	Channel 61
Mon 5	Channel 14	Channel 30	Channel 46	Channel 62
Mon 6	Channel 15	Channel 31	Channel 47	Channel 63
Mon 7	Channel 16	Channel 32	Channel 48	Channel 64



Discrete Mix Tabs

You can unhide globally hidden channels by selecting them. The unhidden channels will be highlighted green.

Also, you can hide additional channels per individual mix. The discrete hidden channels will be highlighted red.

MIX	CH 1-16	CH 17-32	CH 33-48	CH 49-64
GLOBAL	Channel 1	Channel 17	Channel 33	Channel 49
Fx 1	Channel 2	Channel 18	Channel 34	Channel 50
Fx 2	Channel 3	Channel 19	Channel 35	Channel 51
Fx 3	Channel 4	Channel 20	Channel 36	Channel 52
Fx 4	Channel 5	Channel 21	Channel 37	Channel 53
Fx 5	Channel 6	Channel 22	Channel 38	Channel 54
Fx 6	Channel 7	Channel 23	Channel 39	Channel 55
Fx 7	Channel 8	Channel 24	Channel 40	Channel 56
Fx 8	Channel 9	Channel 25	Channel 41	Channel 57
Mon 1	Channel 10	Channel 26	Channel 42	Channel 58
Mon 2	Channel 11	Channel 27	Channel 43	Channel 59
Mon 3	Channel 12	Channel 28	Channel 44	Channel 60
Mon 4	Channel 13	Channel 29	Channel 45	Channel 61
Mon 5	Channel 14	Channel 30	Channel 46	Channel 62
Mon 6	Channel 15	Channel 31	Channel 47	Channel 63
Mon 7	Channel 16	Channel 32	Channel 48	Channel 64

A white dot on the mix tab indicates that a mobile device is currently connected to this mix.

A green dot on the mix tab indicates that exception to global setting was made.

A red dot on the mix tab indicates that additional channel is hidden in this mix.

Channel display changes are applied in real time and stored in the session file, per session.



eMo IEM Quick Start

eMo IEM enables immersive 360-degree panning for in-ear monitors. This results in a monitoring experience that is, for most musicians, more comfortable, especially after long exposure. It can be used on any Aux channel: EFX and Monitor channels.

eMo IEM requires a separate license. The software must be installed and activated to be available to LV1 and Mobile apps. Use Waves Central to purchase manage all Waves software products.

There Are Two Ways to Set up eMo IEM On an AUX Mix



METHOD ONE

Using arrow menu above the desired Aux mix, select Channel Config > IEM.



METHOD TWO

While in GROUP/FX or MON layer, navigate to eMo IEM mode, then click ON to enable eMo IEM on the desired mix.

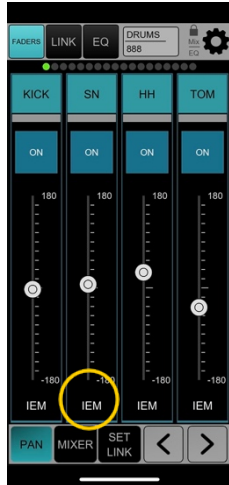


When a mix is in IEM mode, all send pans on this mix will become 360 degrees, as indicated by the “head” icon.



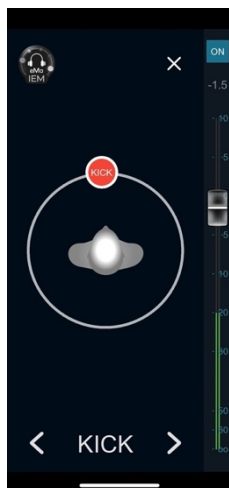
Controlling IEM Pan position from Mobile apps

MyMon



Select a Mix with enabled IEM mode and go to Pan View tab.
Control the pan position by moving the pan sliders to the desired positions.

To enter IEM view, click IEM button below the pan slider (circled yellow).



Now you can move the Pan Ball 360 degrees, and you can adjust the volume of this channel by using the volume fader.

Navigate to other channels by clicking arrows or by clicking on IEM button on any other channel in Pan view.

Click the IEM MultiView button to show see IEM position of all your channels in top-left corner.

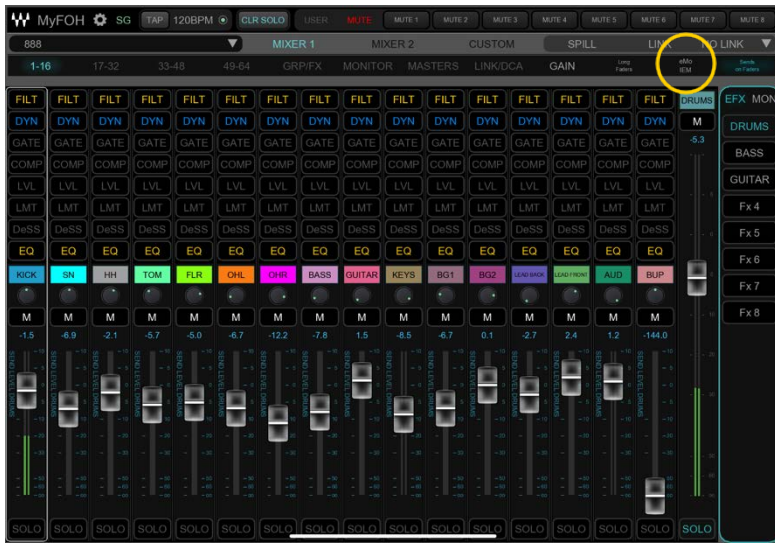
Navigate between the channels by using the arrows or by directly selecting the desired Pan Ball.



Exit IEM views by clicking the X button. IEM state and positions are stored in the session, per snapshot.



MyFOH

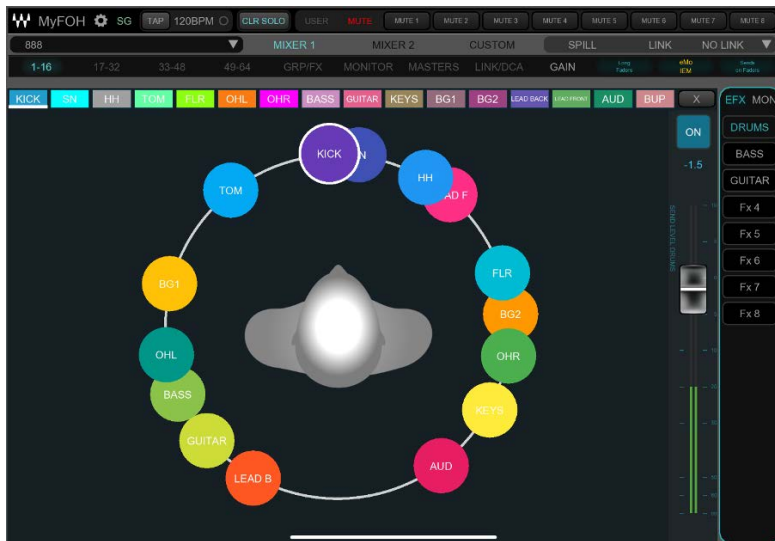


Connect MyFOH to LV1.

Click Sends on Faders tab and select Mix with enabled IEM mode.

When a mix is in IEM mode, the pan controls become 360 degrees and eMo IEM tab button appears left of Send on Faders tab (circled here in Yellow).

You can control the pan position directly from main Send on Faders view or you can enter IEM view by clicking on eMo IEM tab.



The IEM view displays pan controls per selected layer only.

Navigate between Pan Balls in the layer by selecting the Pan Ball directly or by selecting a channel in the layer's channel row.

Click X above the fader to exit the IEM view.

