livemix PRO

PERSONAL MONITORING MIXING SYSTEM

LIVEMIX PRO DUO
LIVEMIX PRO SOLO
LIVEMIX PRO SOLO MD

USER GUIDE V1.37

MARCH 24, 2026

DIGITAL AUDIO LABS
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SAFETY INSTRUCTIONS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. CONTACT DIGITAL AUDIO LABS FOR SERVICING.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated and/or potentially dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

POWER CORD NOTICE FOR INTERNATIONAL OPERATION

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IMPORTANT SAFETY INSTRUCTIONS

1. Read and understand this entire manual.
2. Keep this manual available for reference.
3. Heed all warnings and precautions in this manual and notices marked on the product.
4. Do not use this product near water or damp environments.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Provide for proper airflow around product. Do not install near products that produce high levels of heat. Do not expose the unit to direct sun light or heating units as the internal components' temperature may rise and shorten the life of the components.
7. 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.
8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they connect to the product. Do not use the unit if the electrical power cord is frayed or broken.
9. Only use attachments/accessories specified by the manufacturer.
10. Unplug this product during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. There are no user serviceable components inside the product.
12. The product shall not be exposed to moisture. Do not touch the unit with wet hands. Do not handle the unit or power cord when your hands are wet or damp.
13. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.

CARE

- From time to time you should wipe off the front and side panels and the cabinet with a dry soft cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since this may damage the finish or remove the panel lettering.
- The Livemix system is capable of delivering high levels of volume. Please use caution with volume levels, listen with the lowest possible volume for proper operation and avoid exposure to prolonged high volume levels.
- The manufacturer cannot be held responsible for damages caused to person, personal possessions, or data due to an improper or missing ground connection.

DIGITAL AUDIO LABS LIMITED WARRANTY

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The warranty does NOT cover:

- Damage due to abuse, misuse, or accident.
- Damage due to operation contrary to the instructions in the product instruction manual.
- Units on which the product serial number has been removed or altered.
- Units that have been serviced by unauthorized personnel.
- Events categorized as force majeure or any other sources beyond the control of the Manufacturer
- Another device that is connected to the product
- Any modification, alteration, or repair made by any unauthorized party or without prior written consent
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All implied warranties, including warranties on merchantability and fitness, are limited in time to the length of this warranty. Liability is limited to the repair or replacement of the product. Digital Audio Labs shall in no way be held liable for incidental or consequential damages resulting from the use of its product or software, including, without limitation, damages from loss of business profits, business interruption, loss of business information or other pecuniary loss.

REPAIR POLICY

Please do not return the product without obtaining an RMA number first. Contact Digital Audio Labs at support@digitalaudio.com to acquire an RMA number. Do not return the product to the place of purchase. Please write the RMA number on the outside of the shipping carton. Any product sent to us without a valid RMA number will be refused. Include the following with the product: a brief description of the problem, your name, return shipping address, phone number and the RMA number. Do not include any accessories. DAL is not responsible for any damage to or loss of the product during transit. We recommend that customers obtain a receipt and tracking number for all packages shipped to us. Turnaround time on repairs is generally ten business days. If you live outside of the United States, please contact your local distributor for warranty service.

Please return product to:
Digital Audio Labs
Attn: RMA Number
1266 Park Road
Chanhassen, MN 55317
USA

WARRANTY SERVICE

Customer is responsible for shipping charges to Digital Audio Labs and the product will be returned via non-express shipping by Digital Audio Labs. We reserve the right to inspect any product that may be the subject of any warranty claim before repair is carried out. Final determination of warranty coverage lies solely with Digital Audio Labs.

NON-WARRANTY SERVICE

If it is determined that the product does not meet the terms of our warranty, you will be billed for labor, materials, return shipping and insurance. There is a $100 USD minimum charge for materials and labor. Appropriate shipping charges will be applied. We require payment in advance of repair by credit card; we accept American Express, Discover, Master Card and Visa. In the event the charges are over the minimum charge, Digital Audio Labs will contact you and inform you of the cost of the repair before any work is completed.

Digital Audio Labs reserves the right to modify or update this Warranty Policy at any time without prior notice.

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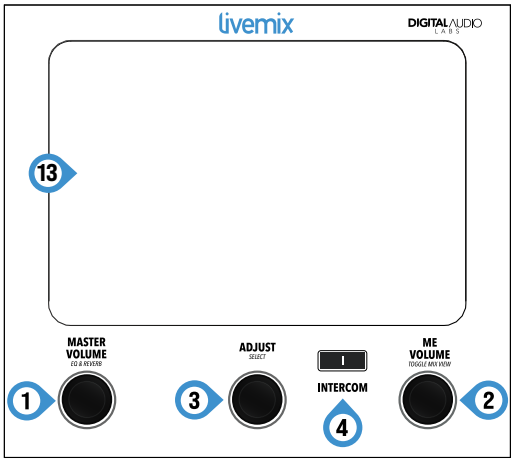
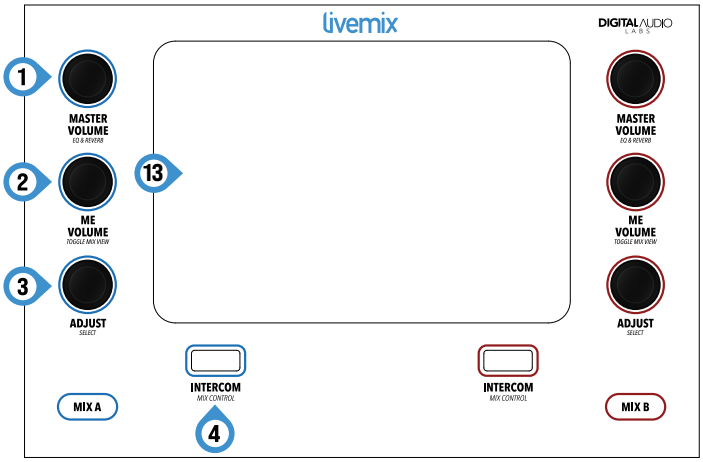
OVERVIEW

LIVEMIX PRO PERSONAL MIXER ANATOMY



PRO SOLO and **PRO SOLO MD**



PRO DUO

TOP PANEL

1. **MASTER VOLUME KNOB**
   Use this knob to adjust the overall volume of the mix.

   On a Livemix Pro Duo, this function works regardless of which mix is “in control” and displayed on the screen. Access to MASTER VOLUME will always be available.

   On a Livemix Pro Duo, turning this will NOT take control of the mix.

   PRESS the MASTER VOLUME knob to access the Master Output settings. The Master Output Settings is also available in the MIX TOOLS menu.

   A four second LONG PRESS on the MASTER VOLUME knob will mute the master output. See the Shortcuts section for more information on this feature.

   To use a PRO DUO as a single person mixer, LONG PRESS both the A mix and B Mix MASTER VOLUME knobs. This will link the two sets of controls and only the A Mix (blue) will be available for local mixing. See the Shortcuts section for more information on this feature.

2. **ME VOLUME**
   Use this knob to adjust the volume of the assigned ME group. The ME GROUP is user selectable through the Group Setup menu.

   On a Livemix Pro Duo, this function works regardless of which mix is “in control” and displayed on the screen. Access to ME VOLUME will always be available.

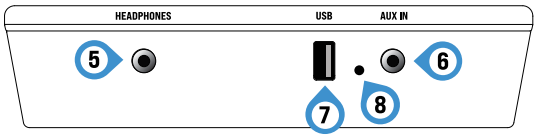
   On a Livemix Pro Duo, turning this will NOT take control of the mix.
   PRESS the ME VOLUME knob to toggle the mix view between the Channel Mix View and the Group Mix View.

3. **ADJUST**
The ADJUST knob allows the user to adjust the volume and pan settings for each channel. Additionally, the ADJUST knob will allow the user to scroll through options depending on the screen and selected function.

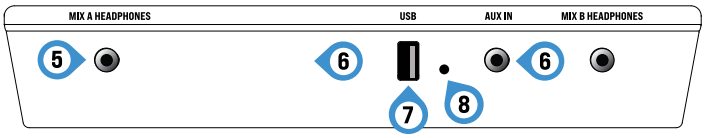
When in the Channel Mix View, the ADJUST knob had two other functions. If a channel that is part of a group is selected, a LONG PRESS for two seconds on the ADJUST knob will temporarily remove the selected channel from the group so that the volume of that channel can be adjusted irrespective of the group volume. Once the volume has been changed, PRESS the ADJUST knob one time to put the channel back in the group. See the Shortcuts section for more information on this feature.

LONG PRESS the ADJUST knob for 5 seconds to adjust ALL channels at once. This allows the user to scale the volume for all channels at a single time. See the Shortcuts section for more information on this feature.

4. **INTERCOM (ALL PERSONAL MIXERS)**
MIX CONTROL (LIVEMIX PRO DUO ONLY)
This button activates the built-in Intercom. If using the Livemix Pro Solo MD with a built-in microphone preamp, the function of this button can be changed. See the Accessory Setup section for more information. On the Livemix Pro Duo, this button will also "Take Control" of the touchscreen, changing from MIX A to the MIX B and back.



PRO SOLO and **PRO SOLO MD**



PRO DUO

FRONT PANEL

5. **HEADPHONES (MIX A AND MIX B ON LIVEMIX PRO DUO)**
Front panel headphone ports provide mix output for headphones with 1/8" or 3.5mm connectors.

6. **AUX IN**
The 1/8" or 3.5mm AUX IN jack allows the user to input an external signal to the Livemix system. This input appears on the AUX IN Accessory Channel. The AUX IN Accessory channel can be setup in the ACCESSORY SETUP menu item.

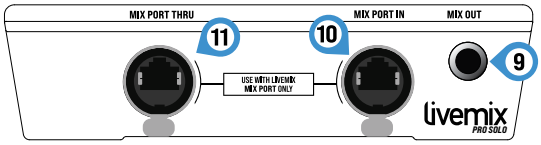
The AUX IN channel is only available to Livemix Pro Duo or Livemix Pro Solo users. It can, however, be published back to the Dante Network if needed. This is a GLOBAL function and is setup in the ACC PUBLISH menu item.

7. **USB**
The USB Port allows:

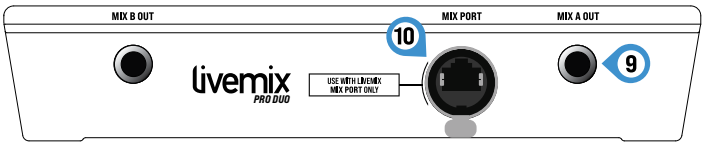
- Firmware Updates
- Additional Mix and Global template saving
- Channel and Group Name import from CSV

These functions are all described in detail elsewhere in this document.

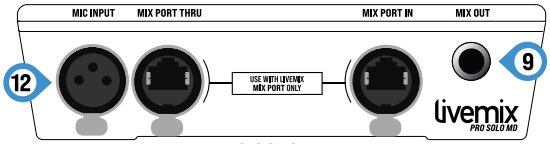
8. **AMBIENT MICROPHONE**
The internal ambient microphone is located near the AUX IN jack. This is controlled by the AMBIENT MIC Accessory Channel.



PRO SOLO



PRO DUO



PRO SOLO MD

BACK PANEL

9. **MIX OUT (MIX A OUT AND MIX B OUT ON LIVEMIX PRO DUO)**
   Back panel 1/4" jacks can be used for 1/4" headphones or a BALANCED MONO output. The default setting is HEADPHONES STEREO OUTPUT, but this can be changed through the Master Output Config menu item.

10. **MIX PORT**
    The MIX PORT input is a Ethercon network cable port for communication to the Livemix PRO-16 or Livemix PRO-32.

    On the Livemix Pro Solo and Livemix Pro Solo MD, the MIX PORT IN connects to the Livemix PRO-16 or Livemix PRO-32.

    NOTE: SHIELDED CABLE MUST BE USED BETWEEN PERSONAL MIXERS AND THE PRO-16/32 AND OTHER PERSONAL MIXER UNITS.

    WARNING: DO NOT CONNECT THIS TO A NETWORK PORT. THE DEVICE CAN BE DAMAGED IF CONNECTED TO ANYTHING OTHER THAN A LIVEMIX PRO 16/32.

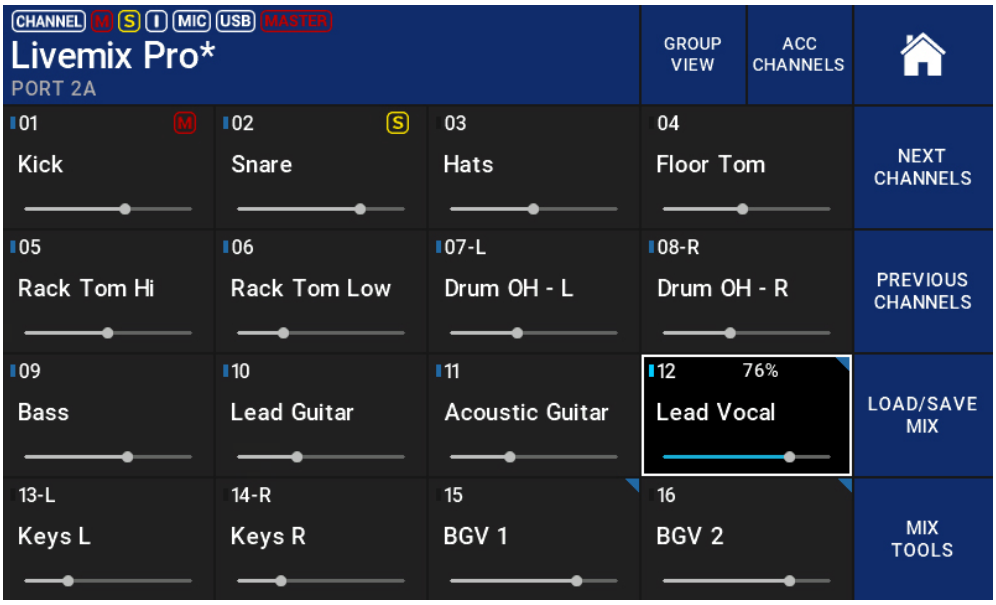
    WARNING: LIVEMIX PRO IS NOT BACKWARDS COMPATIBLE WITH LIVEMIX. CONNECTING A LIVEMIX CS-DUO OR CS-SOLO TO THE LIVEMIX PRO-16/32 MAY DAMAGE THE DEVICES. CONNECTING A LIVEMIX MIX-16/32 TO A LIVEMIX PRO DUO, PRO SOLO, OR PRO SOLO MD MAY ALSO DAMAGE THE DEVICES.

11. **MIX PORT THRU (PRO SOLO ONLY)**
    The MIX PORT THRU connects to another Livemix Pro Solo or Livemix Pro Solo MD. Only two Livemix Pro Solo units can be connected in this manner.

12. **PREAMP XLR (LIVEMIX PRO SOLO MD ONLY)**
    The Livemix Pro Solo MD allows an external microphone to be used with the Livemix intercom. Setup for this function is found in the Accessory Setup menu item.

13. **TOUCHSCREEN**
    The full color capacitive touch touchscreen makes it easy to mix and navigate the Livemix Pro system.

TOUCHSCREEN LEGEND



STATUS BAR AND MENU

1. **MIX NAME**
   After saving a mix, the mix name will appear in the top status bar. It is recommended to save immediately. This also helps other users identify the personal mixer for MirrorMix mode.

   NOTE: *If a mix has changed since the last save, the mix name will have an asterisk. LONG PRESS on the status bar to Quick Save to the same mix.*

2. **PORT IDENTIFIER**
   Beneath the mix name is the port identifier. This refers to the MIX PORT on the front of the Livemix PRO-16 or Livemix PRO-32. Each MIX PORT has a MIX A and a MIX B. On a Livemix PRO DUO, MIX A is the blue mix and the MIX B is red. On a Livemix PRO SOLO or SOLO MD, the A mix is the first plugged in unit and the B mix is the daisy-chained unit (see the MIX PORT section for more information).

3. **ICONS**
   Various status icons will appear above the Mix Name when the indicated functions are active.

   CHANNEL OR GROUP
   The first icon displays the MIX MODE. The CHANNEL icon will appear when in the CHANNEL MIX MODE. The GROUP icon will appear when in the GROUP MIX MODE. Press the ME KNOB to toggle between MIX MODES. See GROUP MIX MODE Vs CHANNEL MIX MODE section for more information.

   MUTE
   If any channel on the personal mixer is muted, the red MUTE icon will appear in the status bar.

   SOLO
   If any channel on the personal mixer is soloed, the yellow SOLO icon will appear in the status bar.

   INTERCOM
   The white INTERCOM icon will display while the local intercom is active.

MIC (PRO SOLO MD ONLY)
The white MIC icon will display when an external microphone is connected and active.

AB (PRO DUO ONLY)
A blue AB icon indicates the A and B mixes are linked. In this mode both sets of controls will control MIX A (blue).

USB
When a USB flash drive is connected to the personal mixer, a white USB icon will appear.

MASTER
A red MASTER icon will be displayed if the master output is muted.

ERROR
The ERROR icon will appear when there is a communication error between the personal mixer and the Livemix Pro-16 or Livemix Pro-32 units.

4. **HOT KEY SHORTCUTS**
   Two Hot Keys allow users to quickly access various functions. See the HOT KEY section of this document for more information.

5. **HOME OR BACK**
   The top left corner will display a HOME icon which will bring ht user back to the Channel Mix View or Group Mix View depending on the current MIX MODE. When in deeper menu functions, the BACK icon will take the use back one page or menu depth.

6. **SIDE MENU**
   The right hand menu is a dynamic menu for setting up various Livemix Pro functions and features. See the MIX TOOLS section of this document for more information

   1. **NEXT AND PREVIOUS CHANNELS**
      Each screen on the Channel View will display up to 16 channels. Use the NEXT CHANNELS and PREVIOUS CHANNELS buttons to view additional pages of 16 channels depending on the MAX CHANNELS (see Setting Max Channels section for more info).

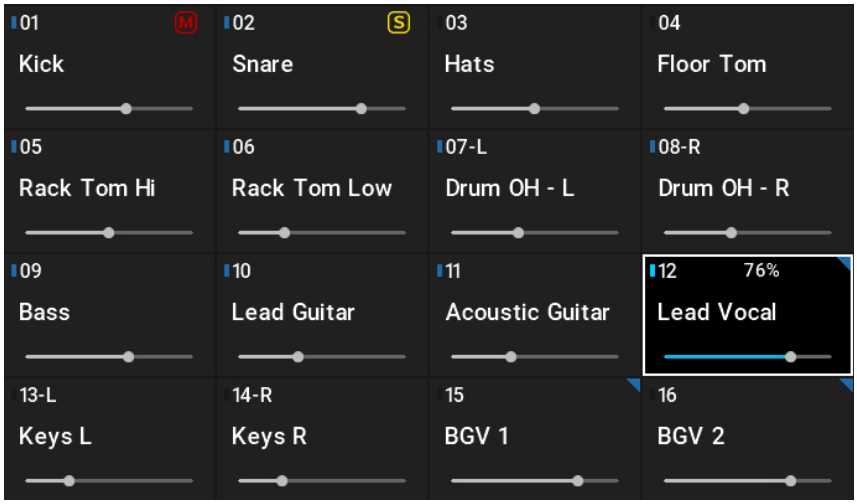
   2. **LOAD/SAVE MIX**
      Load a saved mix or save a mix with the LOAD/SAVE MIX button (see Load/Save Mix section for more info).

   3. **MIX TOOLS**
      Mix Tools contain all the setup and deeper mixing operations (see Mix Tools Section for more info).

CHANNEL CELLS

The Channel Cell shows important information about each individual channel in the Livemix Pro system. In the Channel View, every personal mixer in the system will have the same channels in the same location.

NOTE: Use Group View to place channels in groups for easier mixing for high channel count systems.



CHANNEL NUMBER

The channel number displays the channel number. These are the same for all users.

CHANNEL NAME

This is the channel name defined in CHANNEL SETUP. These are the same for all users.

VOLUME LEVEL INDICATOR

To the left of the channel number is a volume level indicator. This will display one of three colors depending on the volume of the channel.

- NO COLOR: No audio activity
- DARK BLUE ranges from -40 dB to -12 dB
- LIGHT BLUE ranges from -12 dB to 0 dB
- RED clipping or close to clipping (> 0 dB)

ACTIVE CHANNEL

When a channel cell is selected, the background will be black with a white outline around the cell.

VOLUME INDICATOR

Each channel cell has a VOLUME SLIDER showing the relative volume of the channel. When a channel is active, the slider is blue and the relative volume % is shown in the channel cell. This allows for precise volume level setting and matching.

PAN INDICATOR

When the ADJUST knob is pressed, the VOLUME SLIDER is changed to a PAN CONTROL. This control allows you to place the channel left and right in the stereo field.

STEREO PAIR

When two adjacent channels are linked as a stereo pair, the CHANNEL NUMBERS will have a L and R to indicate the LEFT or RIGHT side of a stereo pair. When a STEREO PAIR is selected, both cells will be black, and the ACTIVE CHANNEL is outlined in white.

GROUP INDICATOR

When selecting a channel that is in a GROUP, the ACTIVE CHANNEL will have a white outline. All the channels in the group will have a blue triangle in the top right corner to indicate they are in the selected group.

MUTE ICON

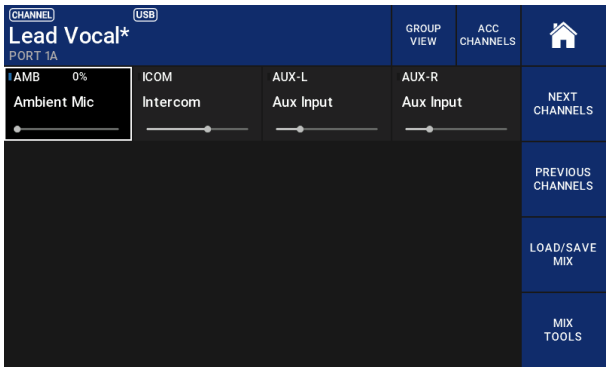
The red MUTE ICON will be displayed when a channel is muted.

SOLO ICON

The yellow SOLO ICON will be displayed when a channel is soloed.

ACCESSORY CHANNELS

In addition to the 64 channels, Livemix Pro features four built-in Accessory Channels.



AMBIENT MICROPHONE

A built in ambient microphone can add some room noise to the mix reducing the closed off feeling some users experience when using in -ear monitors.

INTERCOM

The built-in Intercom allows performers to communicate with other performers. The built-in ambient microphone is used for the Intercom when the Intercom button is pressed.

To activate the Intercom, press and hold the INTERCOM BUTTON.

INTERCOM WITH LIVEMIX PRO SOLO MD

When using an external microphone with the Livemix Pro Solo MD, the external microphone takes the place of the on-board microphone. For information on setting up an external microphone with the Livemix Pro Solo MD, see the Accessory Setup section.

In order to hear other performers, the INTERCOM channel must not be muted and must be turned up.

AUX INPUT

The Auxiliary Input channel allows users to add an additional audio source to the Livemix Pro system. Any audio source can be connected to the front panel 1/8" stereo jack to be sent to all the personal mixers in the system.

AUX INPUT uses:

- Metronome
- Listening to a song for rehearsal
- Tracks
- Pre-recorded timing cues

To use an AUX INPUT

- Connect a source to the front panel 1/8" Stereo jack.
- Play or activate the connected audio source
- Turn up the volume on the AUX INPUT accessory Channel

For more information on setting up the AUX INPUT including sharing with other mixers or hearing the aux input from remote personal mixers, please see the Accessory Setup section.

NOTE: Accessory Channels can be added to groups but cannot have channel effects.

LIVEMIX PRO AND DANTE

Livemix Pro receives audio from a Dante Network. For information on routing channels to Livemix Pro from Dante, please see the Livemix Pro-16/32 User Guide.

Mixes made on Livemix Pro personal mixers will automatically be published to the Dante network. Port 1A will appear on Transmit channels 1 and 2 (left on 1, right on 2). Port 1B will appear on Transmit channels 3 and 4, etc. To route these mixes to external devices, use the Dante Controller on a Windows PC or Mac computer.

The Intercom and Aux In channels can be published in place of mixes 31 and 32. See the Accessory Dante Publish section of this guide for more information.

MIXING PHILOSOPHY

Livemix Pro is all about providing you with options that make building the perfect personal monitor mix simple. Whether mixing 16 channels or 64 channels, Livemix Pro is designed to make mixing as easy as possible.

Livemix Pro mixing comes down to CHANNELS, GROUPS and MIX VIEWS.

Channels are the individual sound sources that can be mixed. Livemix Pro supports up to 64 channels.

If your system only requires 16 channels, you may not need to use groups at all. Systems that have more than 16 channels will find breaking the channels into GROUPS will be helpful. Livemix Pro supports up to 16 groups that can have up to 16 channels each (channels can only be in one group at a time).

Three main MIX VIEWS make it easy to mix depending on what works for you.

- Channel Mix View shows ALL the channels in banks of 16.
- Group Mix View shows all 16 groups at once.
- Expanded Mix View shows all the channels in a single Group.

Here are some practical user cases for each view.

16 CHANNEL SYSTEMS

In a 16 channel system, users may not need to use groups. Since 16 channels are visible on a single page, it is not difficult to adjust the volume levels and pan placements of these 16 channels.

24+ CHANNEL SYSTEMS

When using 24 channels or more, it can be difficult to keep track of and mix all those channels. Setup groups to break those channels into manageable chunks. Then do all your mixing in the GROUP MIX VIEW.

TIP: You can setup YOUR channels in a group, even if its just one channel, and assign it to ME VOLUME KNOB so you always have access to your own instrument or vocal volume.

36+ CHANNEL SYSTEMS

When dealing with higher channel count mixes, setup the groups as above, but setup one group as your most important channels. We typically like to see this group consist of:

- YOU
- PITCH REFERENCE
- TIMING REFERENCE
- LEADER/MD

You might set up a group with the lead vocal, MD, kick, snare, hi-hats, acoustic guitar, bass, and YOU. Non-essential channels can go in other groups that might be categorized by instrument or vocal type (keys, backing vocals, etc.)

Once you setup the group mix volumes, you might want to stay on the EXPANDED VIEW where you just see the channels you put in the "essentials" group. This reduces mix and channel clutter and lets you focus on what you need to perform your best.

Remember, with the MirrorMix functionality of Livemix Pro, you can always get help with your mix and setup!

NAVIGATING LIVEMIX PRO

Livemix is designed to be incredibly simple to use with deeper features for professionals. Some of these deeper features can be accessed with longer presses on the touchscreen or knobs.

PRESS

A single PRESS on the touchscreen or knobs.

LONG PRESS

A LONG PRESS is a longer two second press on the touchscreen or knob.

ADJUST KNOB

The ADJUST knob is a context sensitive knob. The primary function is ADJUST VOLUME or ADJUST PAN. But depending on the screen selection, it can also scroll channels, effect presets, and more.

NAVIGATION

The right-hand side menu provides navigation and function selection. It is context sensitive.

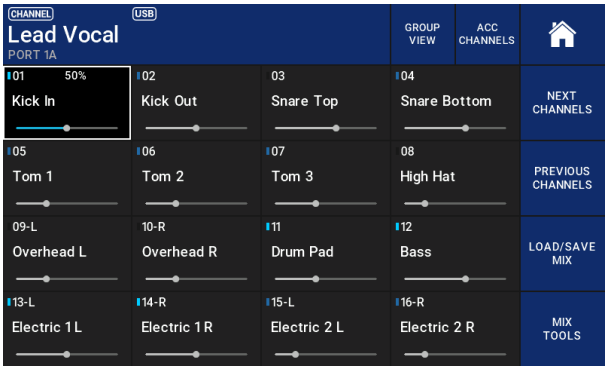
Note: The menu is designed to return to the main or top level after a set number of seconds. This can be changed in the Display Settings screen.

LIVEMIX PRO MIX VIEWS

The Livemix Pro system is highly flexible, allowing each user to mix in a way that is easiest for them. Throughout this manual we will refer to the following views:

CHANNEL MIX VIEW

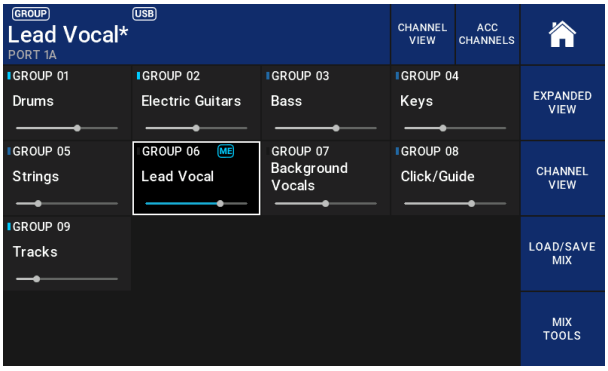
This view shows all the available channels with 16 channels per page. Use NEXT CHANNEL and PREVIOUS CHANNEL to access each bank of 16 channels. The four ACCESSORY CHANNELS can be found on a dedicated page after the last user channel page.



GROUP MIX VIEW

Livemix Pro provides 16 nameable groups. Each group can have up to 16 channels, however, each channel can only be in one group. The GROUP MIX VIEW shows all the available groups and allows mixing by groups instead of channels.

It is recommended to "live" in the GROUP MIX VIEW. Groups don't need to have multiple channels in them, so it is possible to have multiple "single channel" groups alongside your "multi-channel" groups. This allows for easier mixing.



EXPANDED VIEW

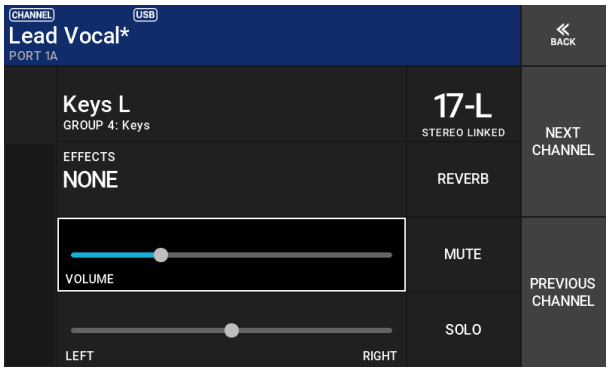
EXPANDED VIEW allows you to see the channels that make up a particular group. In this view, the name of the group is visible under the mix name.

Some users might choose to "live" in the EXPANDED VIEW. For example, a bass player may put bass, drums, and lead vocals in a group and then stay in the EXPANDED VIEW to adjust those channels.

Using Livemix Pro this way allows users to reduce the number of channels they must mix, leaving just the essentials.

SINGLE CHANNEL VIEW

The SINGLE CHANNEL VIEW is a detailed view of one channel at a time. It is helpful for setting up a channel and allows you to solo, mute and add reverb to a channel.



The Single Channel View displays:

CHANNEL NAME
Name of the channel.

CHANNEL NUMBER
Channel number. If it is part of a stereo pair, it will have an -L or -R to indicate left or right.

EFFECTS
If there is an Effect Preset applied to the channel, it will display here.

VOLUME
Volume level of the channel.

PAN
Left or right placement.

REVERB
Turn Reverb on or off. If Reverb is ON, the cell will be blue. Reverb settings can be found in the Master Output section.

MUTE
Mutes the channel. If Mute is ON, the cell will be red.

SOLO
Solos the channel. If Solo is ON, the cell will be yellow.

NEXT AND PREVIOUS CHANNELS
Go to the next or previous channel.

GROUP MIX MODE VS. CHANNEL MIX MODE

Depending on the number of channels and user preference, either CHANNEL MIX VIEW or GROUP MIX VIEW can be set as the default view mode. The default view mode determines where the user is returned to when pressing the HOME icon.

In CHANNEL MIX MODE, pressing the HOME icon returns the user to the Channel Mix View.

In GROUP MIX MODE, pressing the HOME icon returns the user to the Group Mix View.

To toggle the views PRESS the ME VOLUME KNOB.

The current View Mode can be identified by the CHANNEL or GROUP icon in the upper left of the status bar.

GLOBAL VS. LOCAL

Some functions apply to the entire Livemix Pro system and others apply to a single mix/user.

Functions that apply to the entire system and/or all the connected personal mixers are called GLOBAL functions.

Functions that apply only to your personal mixer are called LOCAL functions.

LIVEMIX PORTS

Each personal mix resides on a MIX PORT in Livemix Pro coinciding with the network connectors on the front of the Livemix Pro-16/32. Each MIX PORT has a MIX A and a MIX B.

The main status bar at the top of the Livemix Pro screen displays the port number underneath the mix name. On a Livemix Pro Duo, the blue mix will always be on A (PORT 1A for example) and the red mix will be on B (PORT 1B). On a Livemix Pro Solo, the first solo in a daisy chain will be MIX A and the second will be the MIX B.

LOAD/SAVE MIX

Saving the mix makes it easy for your mix to be identified by other personal mixers. It also allows for quick recall for sessions or services. It is recommended to save the mix after setting up the basic mix and then after major changes are made.

The name of the saved mix will appear in the status bar and will also be how the personal mixer appears in MirrorMix. Consider naming the mix something that identifies the user or instrument.

Mixes can be saved to one of 32 internal save slots. An additional 32 slots are available with a USB Flash Drive. Each of the save locations will display the name of the saved mix as well as the number of the save slot.

To save a mix:

1. Select one of the 32 save locations (use the Slots 17-32 button in the right hand menu area to access slots 17-32). If saving to a USB Flash Drive, PRESS the SWITCH TO USB button in the right hand menu area to access the 32 save locations on the USB Flash Drive.
2. PRESS the Save Selected button in the right hand menu area.
3. Enter a name for the saved Mix.
4. PRESS the SAVE button in the right hand menu area.

To load a mix:

1. Select one of the 32 locations (use the Slots 17-32 button in the right hand menu area to access slots 17-32) to load a mix. If loading from a USB Flash Drive, PRESS the SWITCH TO USB button in the right hand menu area to access the 32 locations on the USB Flash Drive.
2. PRESS the LOAD SELECTED button in the right hand menu area.

DEFAULT MIXES

Slots 31 and 32 contain default starting mixes.

Zero Mix (Slot 31):

- All channel volumes at zero
- All pans are at the center position
- Master volume at 70%.

50% Mix (Slot 32):

- All channel volumes at 50%
- All pans are at the center position
- Master volume at 70%.

QUICK SAVING

Livemix Pro has two methods to quickly save changes to a mix:

1. LONG PRESS on the status bar in the Channel View or Group View.
2. Use the QUICK SAVE Hot Key (See Hot Key section for setup information).

If the mix has not been previously saved, the LOAD/SAVE Mix screen will appear. If the mix has been saved previously, press YES to confirm the save.

MIX TOOLS

MIX TOOLS contains all the LOCAL and GLOBAL settings for Livemix Pro. When MIX TOOLS is pressed, the first menu contains the tools necessary for configuring the local personal mixer. The SETTINGS (gear icon) contains the GLOBAL setup options and should only be used by those familiar with whole Livemix Pro system.

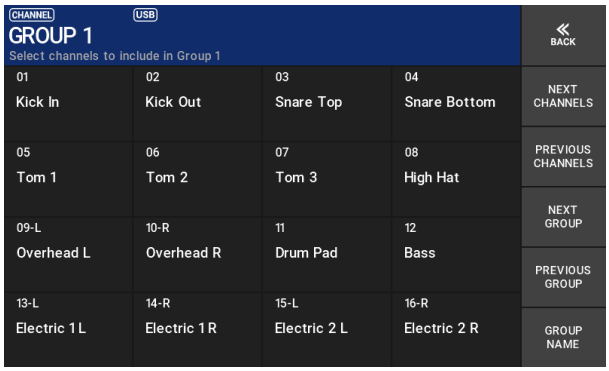
GROUP SETUP

MIX TOOLS > GROUP SETUP

Group mixing is an essential tool, especially when working with higher numbers of channels. Each group can have up to 16 channels. Each available channel can only be in a single group. The Group Setup screen displays each of the 16 possible groups.

SETTING UP A GROUP

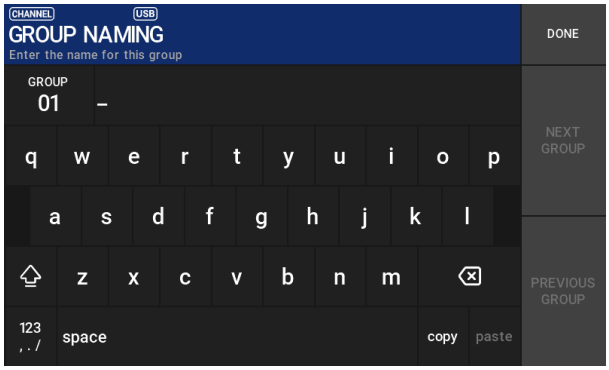
1. Select the group number/cell you wish to assign.
2. PRESS the "Assign Channels to Group" button in the right hand menu area.
3. Select the channels to add to the group. If a channel is already in a group, the group name will be visible in the channel cell. This is an easy way to tell what channels are available to be grouped.
4. Press "GROUP NAME" in the right hand menu area to name the group.



Note: A channel can only be in one group at a time. If you select a channel that is already assigned to a group, you will get a pop up asking if you would like to change the group assignment for that channel.

NAMING A GROUP

1. Select the group number/cell to name.
2. Press "GROUP NAME" in the right hand menu area to name the group.
3. Enter a name for the Group
4. PRESS DONE in the upper right corner.



UNASSIGNING A GROUP

To quickly remove all channels from a group:

1. PRESS "Unassign Selected Group" in the right hand menu area.
2. Press YES when prompted

RESET ALL GROUPS

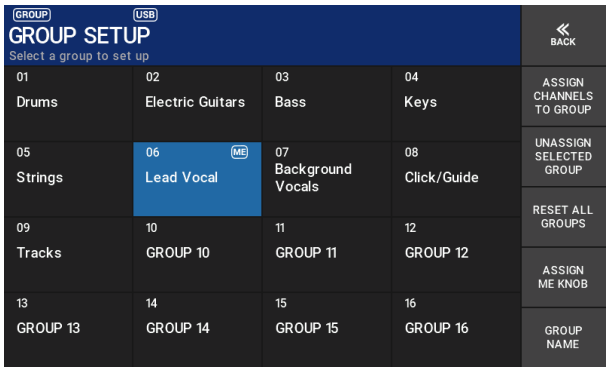
To reset all the group names and assignments:

1. Press "Reset all groups" in the right hand menu area.
2. Press YES when prompted.

ASSIGN ME KNOB

The Me Knob can control any one of the 16 groups. To assign a group to the ME KNOB:

1. PRESS the "Assign Me Knob" button in the right hand menu area.
2. Select a group to assign to the ME KNOB.
3. PRESS "Assign Me Knob"

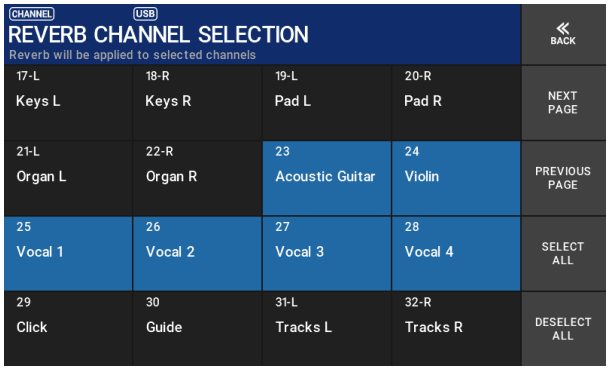


The channel that is assigned to the ME KNOB will have a ME icon in the upper right of the Group cell in the Group Setup screen.

REVERB CHANNELS

MIX TOOLS >REVERB CHANNELS

Reverb can be added to each of the available channels. On the Reverb Channel Selection screen, press the cell for each channel that should have reverb. The channels with reverb active will be blue.
Use the “Select All” and “Deselect All” buttons in the right hand menu area to quickly add or remove reverb from all channels.



NOTE: Accessory channels cannot have reverb added.

Reverb settings can be configured by pressing the Master Volume Knob and then selecting “Reverb” in the right hand menu area. The same configuration can be found in MIX TOOLS > MASTER MIX OPTIONS > REVERB.

MIRRORMIX

MIX TOOLS > MIRRORMIX

MirrorMix allows any personal mixer to audition and remotely mix another personal mixer. Volume and Pan, Groups, and full mixes can be shared from one personal mixer to a single or multiple remote units.

When a remote mixer is being auditioned, the output from the REMOTE mixer is heard on the local mixer. Additionally, the Intercom now connects only to the remote mixer so that the local unit can communicate mix changes to the remote user.

NAVIGATING MIRRORMIX

Each cell on the MirrorMix screen allows you to see the MIX NAME and Port Name for every connected mixer. They are color coded as well with the MIX A mixes in blue and the MIX B mixes in red. PRESS the Ports 9-16 button in the right hand menu area to access additional remote mixers.

MIRRORMIX CELL

- Mix Name is the name of the saved mix on the remote personal mixers
- Mix Port is the port number the remote mixer is connected to on the Pro-16 or Pro-32.
- All personal mixers connected to a “MIX A” Port will be blue and all those connected to a “MIX B” Port will be red, reflecting the color of the status bar on each personal mixer.

AUDITION A REMOTE MIXER

When a remote mixer is selected on the MirrorMix screen, the remote audio is heard on the local unit. Additionally, the intercom now communicates only with the remote unit.

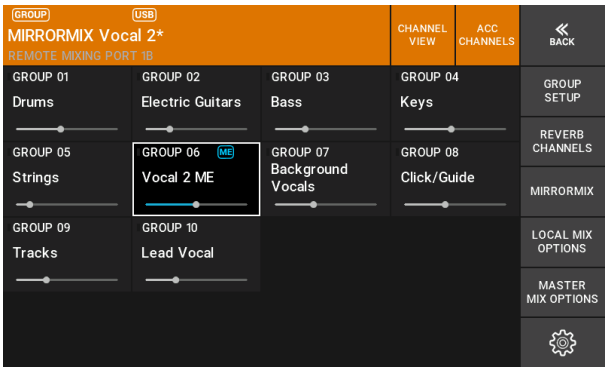
To audition a remote mixer, select the remote mixer to connect to. The selected cell will have a white border, and the top status bar will turn orange.

REMOTE MIXING

Every local mix function on a Livemix Pro personal mixer can be accessed remotely.

To MirrorMix a remote personal mixer:

1. Select the remote mixer to connect to. The selected cell will have a white border, and the top status bar will turn orange.
2. Press the REMOTE MIX PORT ## (## will be the port number) button in the right hand menu area. The local box now has full access to the remote unit.
3. To exit MirrorMix, press the BACK button to return to the MirrorMix screen. Multiple presses might be necessary if the mixer is in deeper menu functions.



NOTE: When accessing LOAD or SAVE in MirrorMix mode, the available saved mixes are from the LOCAL unit not the remote unit. Likewise, when SAVING a mix, it will save to the local unit not the remote unit. After MirrorMixing, it is advisable for the REMOTE mixer to save the altered mix to their personal mixer.

SHARE VOLUME/PAN

This will send all the volume and pan settings from the currently loaded mix on the local personal mixer to the remote unit.

1. Select the remote mixer to connect to.
2. PRESS the SHARE VOLUME/PAN in the right side menu area.

SHARE SAVED MIX

To share a saved mix from the local personal mixer to the remote mixer:

1. Select the remote mixer to connect to.
2. PRESS the SHARE SAVED MIX in the right side menu area.
3. Select a saved mix to share with the remote mixer. If sharing a mix on a USB Flash Drive, press SHARE FROM USB and then select the mix to share.
4. PRESS the SHARE MIX button in the right side menu area.

SHARE GROUPS

Once groups are setup on the local mixer, they can be shared with a remote unit.

1. Select the remote mixer to connect to.
2. PRESS the SHARE GROUPS button in the right side menu area.

GLOBAL MIRRORMIX

With GLOBAL MIRRORMIX, a local mixer can be used to send mix information to multiple remote personal mixers.

PRESS the GLOBAL MIRRORMIX button in the right hand menu area to enter Global MirrorMix.

Select the remote personal mixers to send data to.

- Use PORTS 9-16 in the right hand menu area to access additional personal mixers on ports 9-16.
- PRESS the SELECT ALL button in the right hand menu area to select all the connected personal mixers.
- PRESS the DESELECT ALL button in the right hand menu area to deselect all connected personal mixers.

Once Selected, the remote mixers can now be sent data.

SHARE VOLUME/PAN

This will send all the volume and pan settings from the currently loaded mix on the local personal mixer to all selected remote units.

1. Select the remote mixes to connect to.
2. PRESS the SHARE VOLUME/PAN in the right side menu area.

SHARE SAVED MIX

To share a saved mix from the local personal mixer to the remote mixes:

1. Select the remote mixes to connect to.
2. PRESS the SHARE SAVED MIX in the right side menu area.
3. Select a saved mix to share with the remote mixer. If sharing a mix on a USB Flash Drive, press SHARE FROM USB and then select the mix to share.
4. PRESS the SHARE MIX button in the right side menu area.

SHARE GROUPS

Once groups are setup on the local mixer, they can be shared with remote units.

1. Select the remote mixes to connect to.
2. PRESS the SHARE GROUPS button in the right side menu area.

LOCAL MIX OPTIONS

MIX TOOLS > LOCAL MIX OPTIONS

The LOCAL MIX OPTIONS menu section contains functions and features unique to the individual personal mixer.

ADJUST ALL CHANNELS

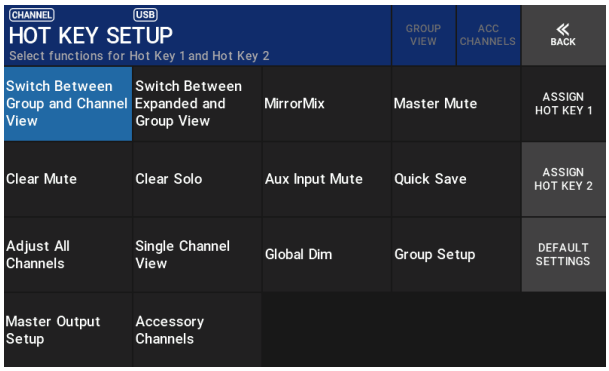
MIX TOOLS > LOCAL MIX OPTIONS > ADJUST ALL CHANNELS

PRESS Adjust All Channels to temporarily place all the channels in a group for quick scaling of all channels.

HOT KEY SETUP

MIX TOOLS > LOCAL MIX OPTIONS > HOT KEY SETUP

Livemix Pro offers two user selectable Hot Keys for frequently used functions. These appear in the Status Bar in Channel and Group Views.



To assign a function to a Hot Key position:

1. PRESS “Assign Hot Key 1” or “Assign Hot Key 2”
2. PRESS the function to connect to the Hot Key position.

To restore the Default Hot Key settings press the Default Settings button. The Default Hot Keys Are:

- HOT KEY 1: Switch between Group and Channel Views
- HOT KEY 2: Jump to Accessory Channels page in Channel View

HOT KEY OPTIONS

SWITCH BETWEEN GROUP AND CHANNEL VIEW

Hot Key toggles between Group Mix View and Channel Mix View.

SWITCH BETWEEN EXPANDED AND GROUP VIEW

Toggles between Expanded View and Group Mix View.
When a channel is selected that is in a group, the Expanded View button will go to the Expanded Mix View of the group.
If the selected channel is NOT in a group, the Expanded Mix View button will have no effect.
When in Expanded Mix View, the Hot Key toggles to Group Mix View and pressing it returns you to the Group Mix View.

MIRRORMIX

Shortcut to the MirrorMix function.

MASTER MUTE

Activates Master Mute.

CLEAR MUTE

Clears all active Mutes.

CLEAR SOLO

Clears all Soloed channels.

AUX INPUT MUTE

Mutes the auxiliary inputs. This is useful when using the auxiliary input with a metronome. Note, if the Aux Input is shared with all, this will only mute the output on the local personal mixer. Other users will still hear the aux input.

QUICK SAVE

Quickly saves the current mix to the current save slot.

ADJUST ALL CHANNELS

Places all channels in a temporary group allowing you to scale all the channels up or down at once.

SINGLE CHANNEL VIEW

Shortcut to the Single Channel View of a selected channel.

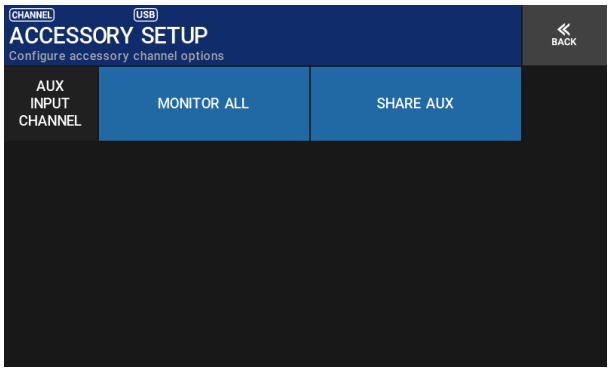
GLOBAL DIM
Dims ALL the screens connected to the same Livemix Pro system at once.

GROUP SETUP
Shortcut to the Group Setup screen.

MASTER OUTPUT SETUP
Shortcut to the Master Output Setup Screens.

ACCESSORY CHANNELS
Shortcut to the Accessory Channels page on the Channel View.

ACCESSORY CHANNEL SETUP
MIX TOOLS > LOCAL MIX OPTIONS > ACCESSORY SETUP

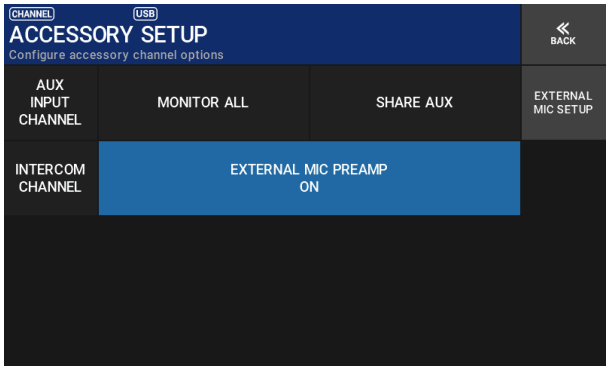


AUX INPUT CHANNEL
Each Livemix personal mixer has an 1/8” input for an auxiliary input such as a metronome, tracks, or practice songs from a phone. Computer or media player.

Two options are available for configuring the AUX INPUT.

MONITOR ALL
When Monitor All is selected, you will hear the AUX IN from other personal mixers. When it is deselected, you will only hear the local AUX IN.

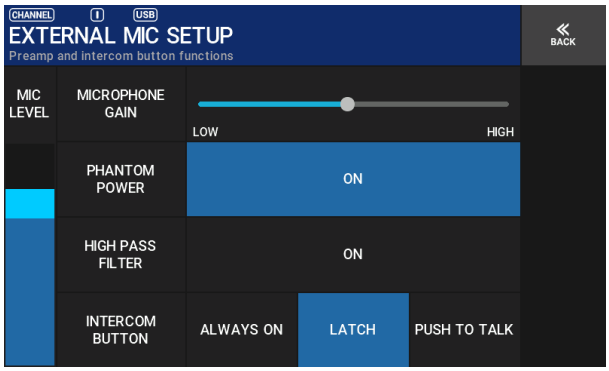
SHARE AUX
When Share Aux is selected, your Aux Input will be shared and available to other Livemix Pro personal mixers. When shared, the Aux Input on the local personal mixer will appear on the Aux Input accessory channel of other mixer units.



You can also access the Monitor All and Share Aux settings in the Single Channel View for the Aux Input channel.

INTERCOM CHANNEL (ONLY AVAILABLE ON LIVEMIX PRO SOLO MD)
The Livemix Pro SOLO MD features an on-board microphone preamp and XLR input. This external microphone replaces the internal Intercom microphone.

To use an external microphone with the Livemix Pro SOLO MD:
1. PRESS the External Mic Preamp ON button
2. PRESS External Mic Setup



EXTERNAL MIC SETUP [LIVEMIX PRO SOLO MD ONLY]
The External Mic Setup screen controls the parameters of the on-board microphone preamp in the Livemix Pro SOLO MD.

MICROPHONE GAIN
Set the level of input gain for the microphone with this control. Use the VU on the left to monitor microphone input levels.

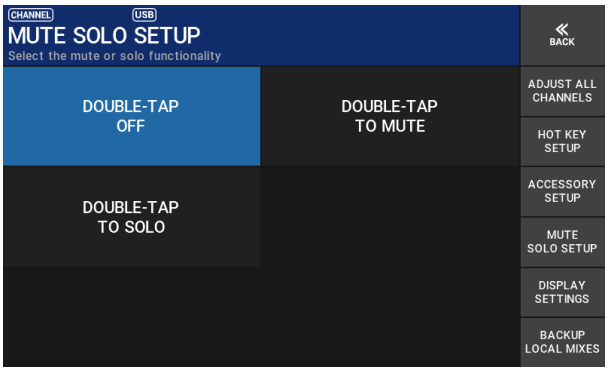
PHANTOM POWER
PRESS the ON button to supply 48V phantom power to the microphone for use with condenser microphones. Please note, using multiple devices that require phantom power simultaneously is not supported. For example, a condenser microphone and an iR switch.

HIGH PASS FILTER
PRESS the ON button to activate a High Pass Filter, reducing low end rumble and stage noise.

INTERCOM BUTTON
Set the desired function of the Intercom button when using an External Microphone.

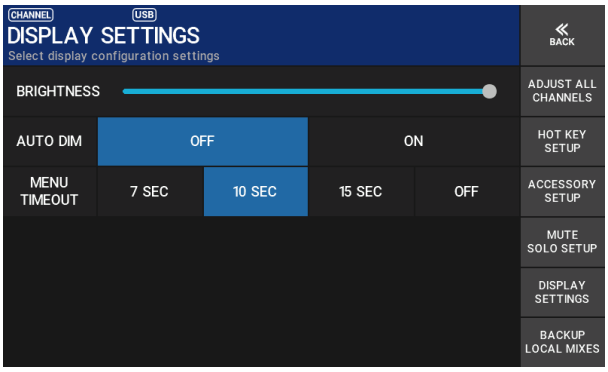
- Always On: The external microphone is always active, the Intercom Button does not need to be pressed.
- Latch: In Latch mode, the Intercom Button will remain on when pressed until it is pressed again to turn it off.
- Push To Talk: The Intercom Button must be held down to activate the microphone.

MUTE SOLO SETUP
MIX TOOLS > LOCAL MIX OPTIONS > MUTE SOLO SETUP
Each channel in Livemix Pro can be muted or soloed. With Quick Mute or Quick Solo, a channel can be muted or soloed with a double tap on the cell.



- Double-Tap Off: Quick Mute or Quick Solo disabled
- Double-Tap to Mute: Double Tap a channel or group to MUTE. The first tap selects the target, the second will MUTE the channel. If a channel is selected, only a single tap is required to activate the MUTE. NOTE: when a group is muted, all the channels in that group will be muted.
- Double-Tap to Solo: Double Tap a channel or group to SOLO. The first tap selects the target, the second will SOLO the channel. If a channel is selected, only a single tap is required to activate the SOLO. NOTE: when a group is Soloed, all the channels in that group will be Soloed.

DISPLAY SETTINGS
MIX TOOLS > LOCAL MIX OPTIONS > DISPLAY SETTINGS
Display Settings provide display and menu options for Livemix Pro personal mixers.



BRIGHTNESS
Use the ADJUST knob to adjust the brightness of the local personal mixer screen.

AUTO DIM
When ON, the touchscreen will dim after 30 seconds. Press anywhere on the screen to restore to full brightness.

MENU TIMEOUT
The side menu will return to the top level view after a certain number of seconds. Use this option to select the amount of time before the menu return to the top level. We recommend leaving the Menu Timeout OFF while learning to use Livemix Pro.

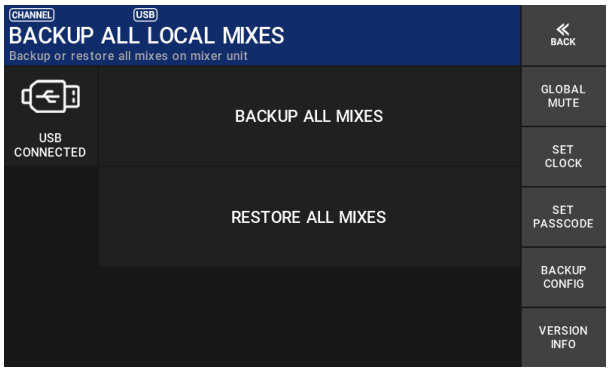
BACKUP LOCAL MIXES

MIX TOOLS > SETTINGS (GEAR) > UTILITIES >BACKUP LOCAL MIXES

Livemix Pro allows the saving of all 32 of the Internal Local Mix slots to a USB Flash Drive. This allows backup of the Local Mixes and is helpful if switching to a different Livemix Pro system.

Backup Local Mixes will save all the local mixes to a USB Flash Drive. With a USB Flash Drive inserted, press BACKUP ALL MIXES.

To Restore all local mixes, press the RESTORE ALL MIXES.



MASTER MIX OPTIONS

MIX TOOLS > MASTER MIX OPTIONS

The Master Mix or Master Output refers to the two channel output that is heard from front panel 1/8" jack or the back panel ¼" jack. The Master Mix options allow users to adjust the master output to personal preference.

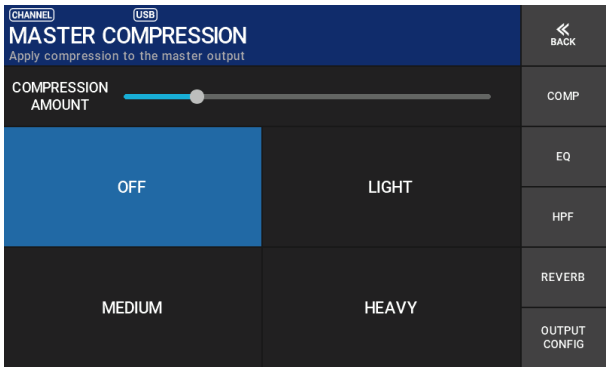
COMPRESSION

The Master Compression will apply compression to the master mix.

Select the style of compression and use the ADJUST knob to control the amount of compression.

With compression, a little can go a long way. We recommend starting with LIGHT compression and move the Amount to about 50% then adjust as needed.

- LIGHT: 2:1 Compression
- MEDIUM: 3:1 compression
- HEAVY: 4:1 compression



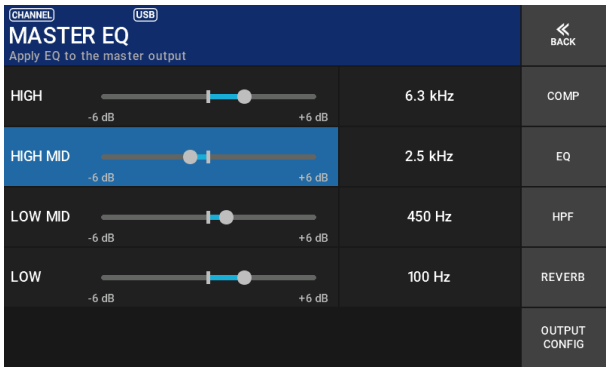
EQ

EQ allows the user to tailor the sonic characteristics of their mix to fit their preference.

The Master EQ provides 4 bands of EQ with +/- 6dB of boost or cut. Each band allows the user to select the frequency from 25Hz to 16kHz.

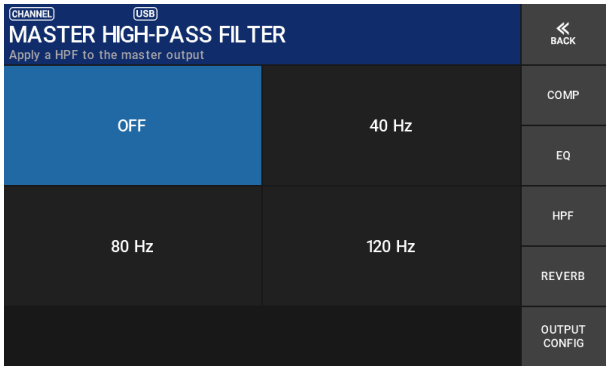
To adjust the EQ, select a band and use the ADJUST knob to set the amount of boost or cut. Select the frequency to the right of the slider and use the ADJUST knob to change the frequency.

The HIGH and LOW bands are a shelving EQ with a Q of 0.707.
The MID bands are a peak/dip EQ with a Q of 1.5.



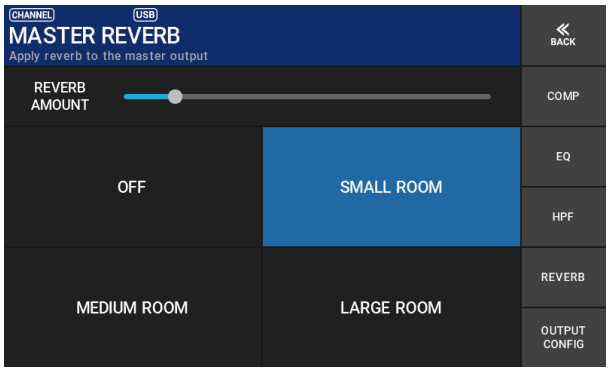
HPF

Set a High Pass Filter to tighten up a mix and reduce low end rumble. The High Pass Filter will cut frequencies below the selected amount with a 24dB slope.



REVERB
The Reverb settings control the amount and style of reverb applied to the channels with reverb active.

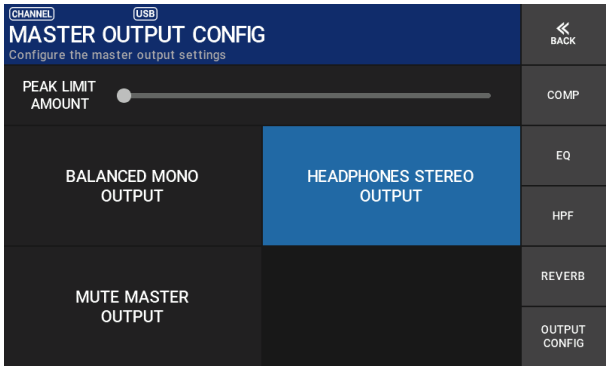
Use the ADJUST knob to change the REVERB AMOUNT.
Select the type of Reverb by selecting OFF, Small Room, Medium Room, or Large Room.



OUTPUT CONFIG
In the Master Output Config, users can set the Peak Limiter and select output options.

PEAK LIMIT AMOUNT
The Peak Limiter prevents unexpected loud sounds from damaging hearing. Use the ADJUST knob to select the amount of Peak Limiter.

Livemix Pro will mostly be used with headphones. From time to time, it may be desirable to use Livemix with powered floor wedges.



BALANCED OUTPUT MONO
When in Balance Output Mono mode, Livemix will output a balanced mono signal. In this mode, the Accessory Channels will not output to the Master Output.

HEADPHONE OUTPUT STEREO
This is the default mode and will output a stereo signal from both the front and back output jacks.

MUTE MASTER
The Mute Master button will mute the output of Livemix Pro. When active, the red MASTER icon will appear in the status bar.

GLOBAL CONFIGURATION
Global settings affect the entire Livemix Pro system. Please use care when adjusting these settings. The settings can be protected with a pass code, set up in the Utilities menu.

CHANNEL SETUP

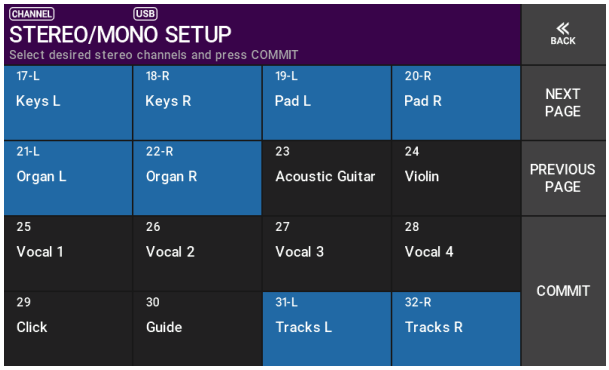
MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP

Use the Channel Setup Menu to configure the channels for every personal mixer in the Livemix Pro system. These are global functions and will affect all personal mixers, reducing the need for individual setup of each mixer unit.

STEREO MONO SETUP

MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP > STEREO/MONO SETUP

Adjacent channels (starting with odd numbers) can be linked in a stereo configuration. When linked, the stereo channels will be selected together when either one of the stereo channels is selected. The "active" channel will have a white outline.



NOTES:

- The channel numbers will have an L and an R to reflect they are part of a stereo linked pair.
- The volume of linked channels will be controlled together.
- If two channels have different volume levels when linked, the first time they are adjusted, the volumes will snap to the lowest of the two volume settings.
- The PAN control for each channel operates independently for precise placement in the stereo field.

To Link Stereo Channels:

1. Acknowledge the pop-up warning by pressing Continue.
2. Select channels to pair.
3. Use the NEXT PAGE and PREVIOUS PAGE to cycle pages.
4. Press Commit.

To Unlink Channels (return to mono):

1. Acknowledge the pop-up warning by pressing Continue.
2. Select channels to separate into mono.
3. Use the NEXT PAGE and PREVIOUS PAGE to cycle pages.
4. Press Commit.

NOTE: Using stereo pairs in the system may require planning. The two channels that will be linked must start with an odd number and be next to each other. For example, the left channel of a stereo keyboard may be on Dante channel 11 and the right on Dante channel 12. If the left channel is on Dante Channel 12, it will not be able to be linked with a right channel on Dante channel 13.

CHANNEL EFFECTS

MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP > CHANNEL EFFECTS

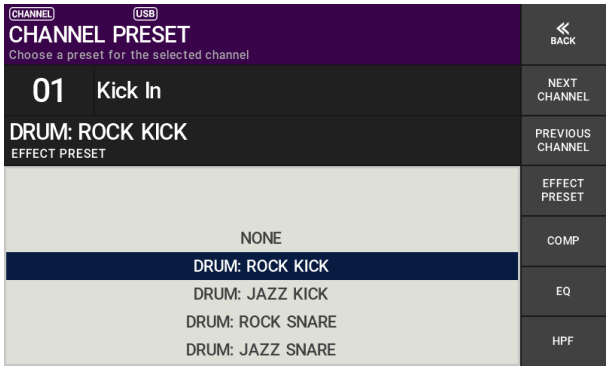
This is a global function and will apply to all connected Livemix Pro personal mixer units.

Equalization, Compression, a High Pass Filter, or a Preset can be applied to each channel in Livemix Pro. It is recommended to start with a preset for each channel and make subtle changes where necessary.

NOTE: When modifying a preset, the "preset name" will change to CUSTOM.

EFFECTS PRESETS

Effects Presets are designed to be subtle adjustment to the channel. Keep in mind that Channel Effects are GLOBAL and changes made to one channel will affect how it sounds for everyone.

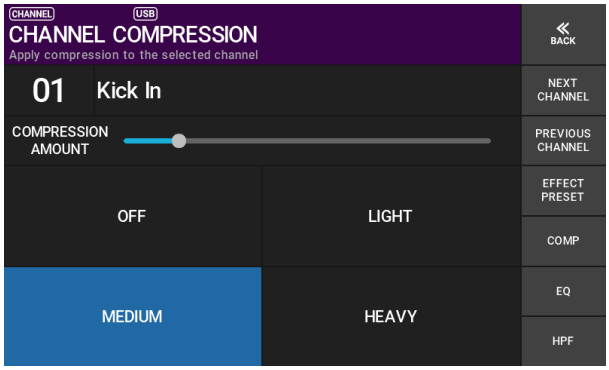


1. PRESS the EFFECT PRESET button in the Channel Effects Menu area.
2. Use the ADJUST knob to scroll through the presets. The preset highlighted in blue is the selected and active preset.
3. Use the NEXT CHANNEL and PREVIOUS CHANNEL buttons to move to additional channels.

See the Appendix for a list of available presets.

COMPRESSION

Compression adjusts the dynamics of a sound making it smoother and less prone to volume spikes. Compression should be used sparingly.

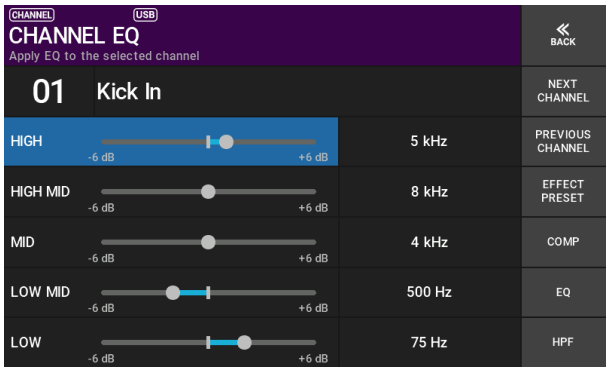


1. PRESS the COMP button in the Channel Effects Menu area.
2. Use the ADJUST knob to adjust the amount of compression desired. This is equivalent to the threshold control on a compressor.
3. Select OFF, LIGHT, MEDIUM or HEAVY. This controls how much the signal will be affected by the compressor. This is equivalent to the ratio control on a compressor.
4. Use the NEXT CHANNEL and PREVIOUS CHANNEL buttons to move to additional channels.

OFF
LIGHT: 2:1 Ratio
MEDIUM: 3:1 Ratio
HEAVY: 4:1 Ratio

EQUALIZATION

Each channel can be tonally shaped with a 5 band parametric EQ. The frequency of each band can be selected from 25Hz to 16kHz. Each band can be boost or cut 6dB.



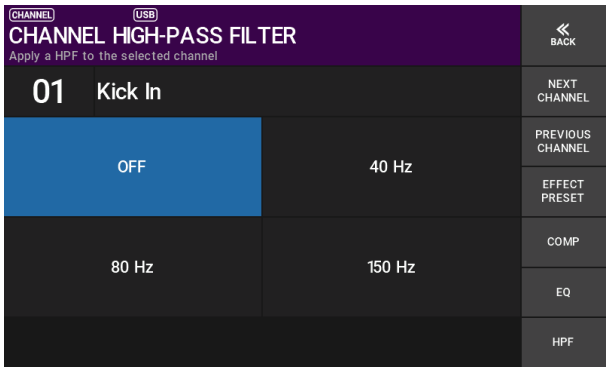
TO ADJUST EQ:

1. Select the band to adjust and use the ADJUST knob to boost or cut that band.
2. PRESS the frequency cell to the right of that band to set the frequency.
3. Use the NEXT CHANNEL and PREVIOUS CHANNEL buttons to move to additional channels.

The HIGH and LOW bands are a shelving EQ with a Q of 0.707.
The MID bands are a peak/dip EQ with a Q of 1.5.

HIGH PASS FILTER

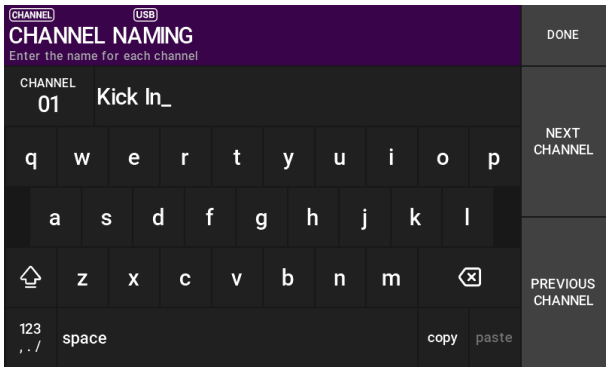
The HIGH PASS FILTER cuts the low end with a 24 dB slope.



1. Select the roll-off frequency from OFF, 40 Hz, 80 Hz, and 150 Hz.
2. Use the NEXT CHANNEL and PREVIOUS CHANNEL buttons to move to additional channels.

CHANNEL NAMING

MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP > CHANNEL NAMING
This is a global function and will apply to all connected Livemix Pro personal mixer units.



Changing a channel name on any Livemix Pro personal mixer will change that channel name for all mixers in the system.

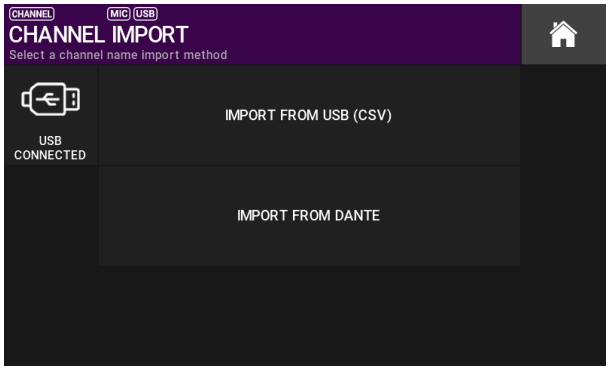
To change Channel Names:

1. PRESS the CHANNEL NAMING button
2. Using the keyboard on the touchscreen, enter the channel name.
3. Use the NEXT CHANNEL and PREVIOUS CHANNEL to move to the next or previous channel to be named. Alternately, the ADJUST knob can be used to scroll through the channels.
4. PRESS DONE.

NOTE: Use copy on the keyboard to copy the entire channel name and paste to duplicate that name on another channel.

CSV/DANTE IMPORT

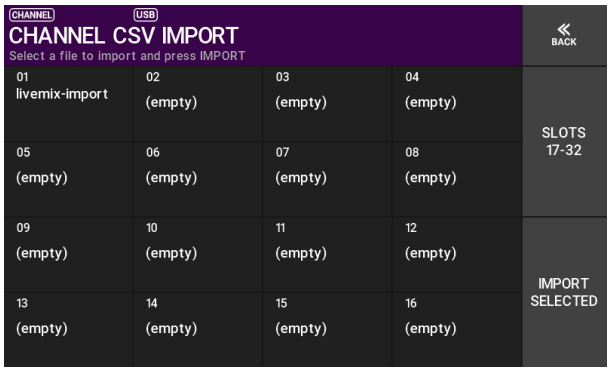
MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP > CSV/DANTE IMPORT
Livemix Pro offers two import options. With the Dante Import option, channel names that are defined in Dante Controller can be brought over to Livemix Pro. With the CSV import, channel names, stereo/mono status, and effect presets can be imported with a CSV file.



CSV IMPORT

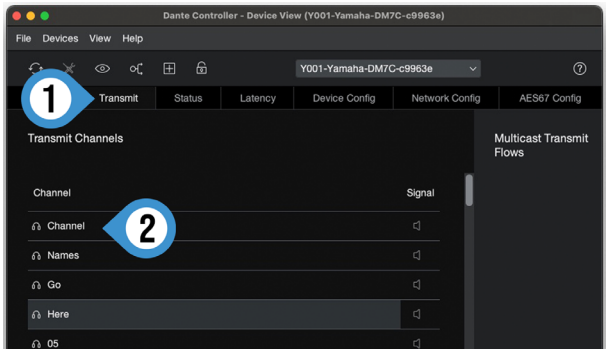
Use the Web Tool here or scan the QR code to create a CSV file of channel names, stereo configuration,and effect presets that can be loaded to Livemix Pro via USB.

1. Place the downloaded CSV file in the root directory on a FAT32 formatted USB Flash Drive and insert it into the Livemix Pro personal mixer.
2. Navigate to MIX TOOLS > SETTINGS > CHANNEL SETUP > CSV/DANTE IMPORT and select IMPORT FROM USB.
3. Multiple CSV files can reside on the USB flash drive so you can load multiple configurations and save them to Global Configuration slots.
4. Select the import file to import from the numbered cells and press IMPORT SELECTED.



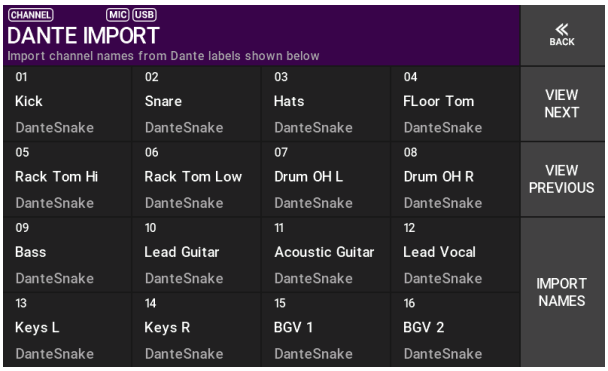
IMPORT FROM DANTE

Livemix Pro can import Dante channel labels to be used as channel names.



1. In the Dante Controller DEVICE VIEW, navigate to the TRANSMIT tab for the devices that you will connect to Livemix Pro.
2. Name each channel in the Transmit Channels section.
3. In Dante Controller, route the desired channels to the Livemix Pro 16/32.
4. In Livemix Pro, navigate to MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP > CSV/DANTE IMPORT. Press the IMPORT FROM DANTE button.
5. You will see all the available names in the respective channel cells. Confirm you wish to Import the Channel names from Dante by pressing IMPORT NAMES.

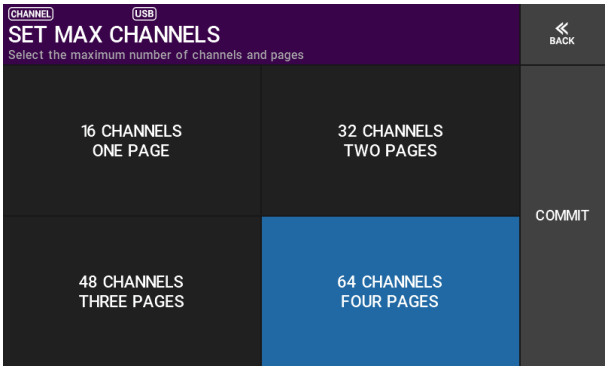
   NOTE: If the subscribed channels are not labeled in Dante Controller they will not be imported.



SET MAX CHANNELS

MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP > SET MAX CHANNELS
Livemix provides the ability to mix up to 64 channels. When using fewer than 64 channels, the SET MAX CHANNELS hides non-used channels effectively making Livemix Pro a 16, 32, 48, or 64 channel system. This makes it easier to use for smaller installations.

This global function will apply to all connected Livemix Pro personal mixer units. When entering the SET MAX CHANNEL screen, a warning must be acknowledged before continuing to change the max channels.



WARNING: WHEN CHANGING THE MAX CHANNELS FROM A HIGHER NUMBER OF CHANNELS TO A LOWER NUMBER, THE HIGHER CHANNELS WILL NOT BE AVAILABLE FOR NAMING OR OTHER SETUP FUNCTIONS.

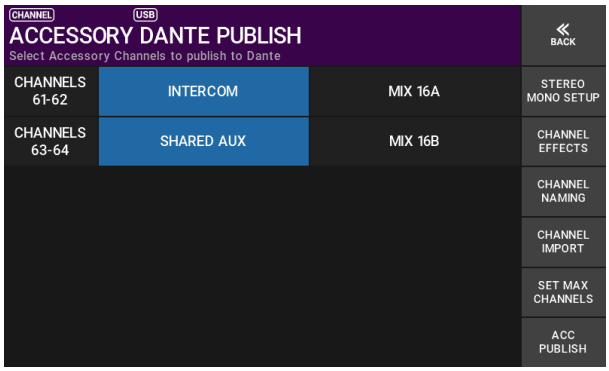
NOTE: When going from a higher channel count to a lower channel count, the higher channels names and channel settings will retain naming and other setup information.

To change the maximum channels:

1. Select the number of channels used in the Livemix Pro system. The options are 16, 32, 48, and 64. Select the lowest number that accounts for all the potential channels. For example, if using 36 channels, select the 48 Channel option.
2. Press COMMIT.
3. Press CONTINUE to execute the change.

ACCESSORY CHANNEL PUBLISH TO DANTE

MIX TOOLS > SETTINGS (GEAR) > CHANNEL SETUP > ACC PUBLISH
Livemix Pro automatically makes personal mixes available to the Dante Network. For example, Port 1A will publish the Left side of the stereo mix to Dante channel 1 and the Right side to channel 2. Port 1B will be on Dante channels 3 and 4.



With the ACC PUBLISH menu, the intercom can replace Port 16A on Dante channels 61 and 62. Likewise, the Shared Aux can replace Port 16B channels 63 and 64.

To publish the Intercom to Dante:

- Select INTERCOM from the ACC Publish Screen.
- The INTERCOM CHANNEL will be published to Dante Channels 63 and 64.

To publish the Shared Aux to Dante

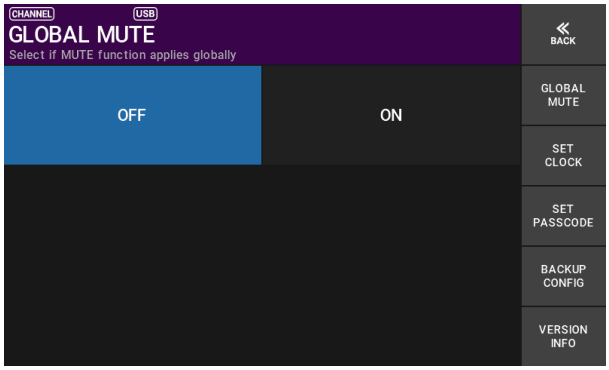
- Select Shared Aux from the ACC Publish Screen.
- The combined SHARED AUX tracks will be published to Dante Channels 63 and 64.

UTILITIES

GLOBAL MUTE

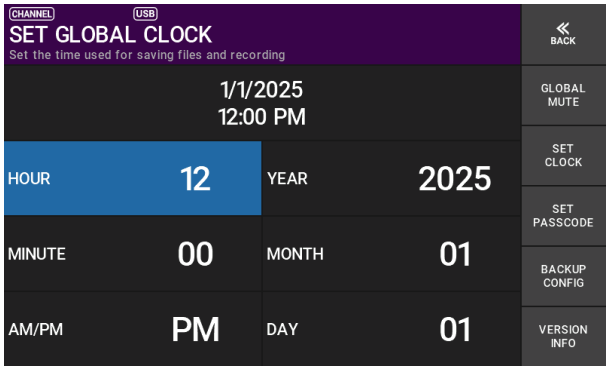
MIX TOOLS > SETTINGS (GEAR) > UTILITIES > GLOBAL MUTE
Some applications may require a global mute. When the GLOBAL MUTE is active, ANY channel that is muted on ANY personal mixer will mute that channel for everyone.

NOTE: If GLOBAL MUTE is active and a group is muted on a personal mixer, all the channels in the group will be muted for ALL users, even if those channels are in different groups.



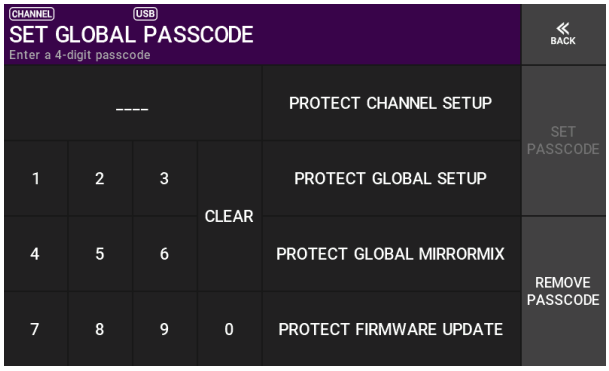
SET CLOCK

MIX TOOLS > SETTINGS (GEAR) > UTILITIES > SET CLOCK
The internal clock is used to add a timestamp to saved mixes and USB recordings. To set the time, use the touchscreen to select a cell and use the ADJUST knob to select the desired value.



SET PASSCODE

MIX TOOLS > SETTINGS (GEAR) > UTILITIES > SET PASSCODE
Global functions can be protected with a passcode.



PROTECT CHANNEL SETUP

When Protect Channel Setup is selected, Livemix Pro requires a passcode to enter the Channel Setup menu. This includes:

- Changing Channel Names
- Changing Channel Effects
- Changing Stereo/Mono Links
- Importing Channels
- Changing Accessory Channel Dante Publishing

PROTECT GLOBAL SETUP
When Protect Global Setup Update is selected, Livemix Pro requires a passcode to enter the global menu (settings gear).

PROTECT GLOBAL MIRRORMIX
When Protect Global MirrorMix Update is selected, Livemix Pro requires a passcode to enter the Global MirrorMix function. Standard mixer to mixer MirrorMixing is still available without a passcode.

PROTECT FIRMWARE UPDATE
When Protect Firmware Update is selected, Livemix Pro requires a passcode to update the system or any personal mixer firmware

WARNING: WHEN THE PASSCODE IS SET OR CHANGED, LIVEMIX PRO WILL REBOOT AND BE UNAVAILABLE FOR A SHORT PERIOD OF TIME.

To set up passcode protection:
1. Enter a 4 digit passcode.
2. Select each area to protect.
3. PRESS the SET PASSCODE button in the right hand menu area.
4. Acknowledge the pop up warning by pressing YES.
5. The Livemix Pro system will reboot.

To remove a passcode:
1. PRESS the REMOVE PASSCODE button in the right hand menu area.
2. Acknowledge the pop up warning by pressing YES.
3. The Livemix Pro system will reboot.

NOTE: Once setup, the passcode will need to be entered before accessing the SET GLOBAL PASSCODE function.

BACKUP CONFIG

MIX TOOLS > SETTINGS (GEAR) > UTILITIES > BACKUP CONFIG
Livemix Pro allows the saving of all the internal Global Configuration slots to a USB Flash Drive. This allows backup of the Global Configurations and is helpful if switching to a different Livemix Pro system.

Backup Config will save all the Configuration slots to a USB Flash Drive. With a USB Flash Drive inserted, press BACKUP ALL GLOBAL CONFIGURATIONS.

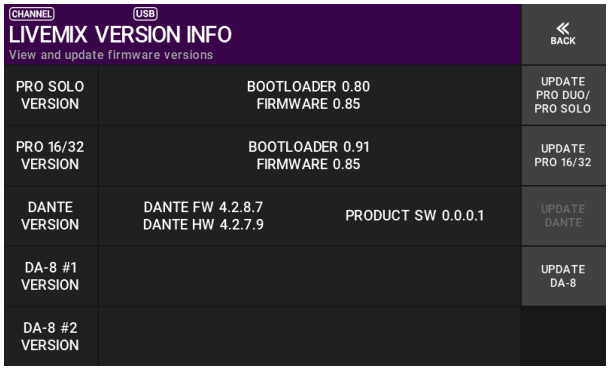
To Restore all local Global Configurations, press the RESTORE ALL GLOBAL CONFIGURATIONS.

NOTE: Depending on the number of configurations saved, this may take a few minutes.

VERSION INFO

MIX TOOLS > SETTINGS (GEAR) > UTILITIES > VERSION INFO

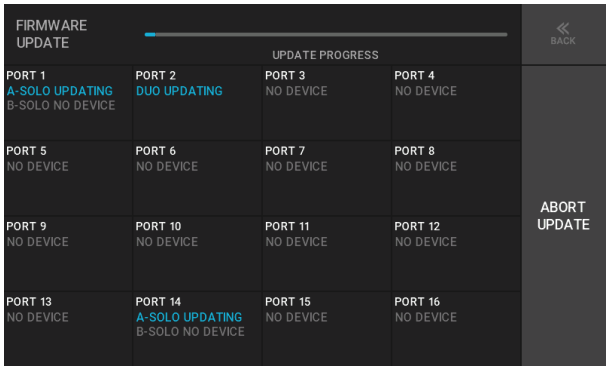
Version Info displays the current firmware version for the local Livemix Pro Solo or Livemix Pro Duo as well as the Livemix PRO-16/32 it is connected to. If there are Livemix DA-8 units in the system they will show up as well.



NOTE: The USB drive with the update file MUST be in the Livemix PRO-16/32 when updating all units.

UPDATE ALL PRO DUO OR PRO SOLO UNITS

To update all the Livemix Pro Solo and Livemix Pro Duo units currently connected to the Livemix Pro system, press the UPDATE PRO DUO/ PRO SOLO button. You will be prompted to enter a USB Flash Drive with the firmware update into the front panel USB port on the connected Livemix PRO-16/32.



NOTE: This may take a number of minutes to update all the units. Please do not power off the Livemix system or any connected units while the update is being performed.

INDIVIDUAL PRO SOLO OR PRO DUO UPDATE

To update a single Livemix Pro Solo or Livemix Pro Duo, insert a USB Flash Drive with the firmware into the USB slot on the personal mixer. Remove the cable to turn off the power. PRESS and HOLD the Intercom button (or both Intercom buttons on the Pro Duo) and plug the cable back in. The system will prompt you to update the firmware of the local unit.

UPDATE PRO 16 OR PRO 32 UNITS

To update the Livemix PRO-16 or Livemix PRO-32, press the UPDATE PRO 16/32 button. You will be prompted to enter a USB Flash Drive with the firmware update into the front panel USB port on the connected Livemix PRO-16 or Livemix PRO-32.

1. Download the latest firmware from http://www.digitalaudio.com/support.
2. Unzip the firmware zip file and copy the LMUPDATE folder to the root directory of a FAT32 formatted USB flash drive. Please make sure the LMUPDATE folder is not inside another folder and is in the “root” of the USB flash drive.
3. Insert the USB Flash Drive into the front panel USB port on the PRO-16/32.
4. Press the UPDATE PRO-16/32 button.
5. On the confirmation screen, Press YES to begin the update. If you do not want to update, press NO.
6. Confirm that the USB Flash Drive is inserted when prompted.

UPDATE DA-8 UNITS

To update connected Livemix DA-8 units, press the UPDATE DA-8 button. You will be prompted to enter a USB Flash Drive with the firmware update into the front panel USB port on the connected Livemix PRO-16/32. If two DA-8 units are connected, both will be updated.

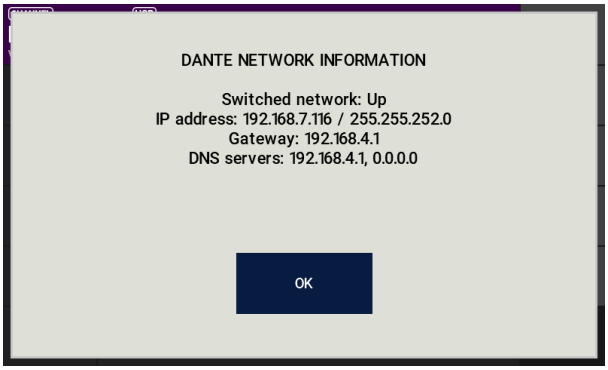
1. Download the latest firmware from http://www.digitalaudio.com/support.
2. Unzip the firmware zip file and copy the LMUPDATE folder to the root directory of a FAT32 formatted USB flash drive. Please make sure the LMUPDATE folder is not inside another folder and is in the "root" of the USB flash drive.
3. Insert the USB Flash Drive into the front panel USB port on the PRO-16/32.
4. Press the UPDATE DA-8 button.
5. On the confirmation screen, Press YES to begin the update. If you do not want to update, press NO.
6. Confirm that the USB Flash Drive is inserted when prompted.

UPDATE DANTE FIRMWARE

To update the Dante Firmware, press the UPDATE button. You will be prompted to enter a USB Flash Drive with the firmware update into the front panel USB port on the connected Livemix PRO-16/32.

1. Download the latest firmware from http://www.digitalaudio.com/support.
2. Unzip the firmware zip file and copy the LMUPDATE folder to the root directory of a FAT32 formatted USB flash drive. Please make sure the LMUPDATE folder is not inside another folder and is in the "root" of the USB flash drive.
3. Insert the USB Flash Drive into the front panel USB port on the PRO-16/32.
4. Press the UPDATE DANTE button.
5. On the confirmation screen, Press YES to begin the update. If you do not want to update, press NO.
6. Confirm that the USB Flash Drive is inserted when prompted.

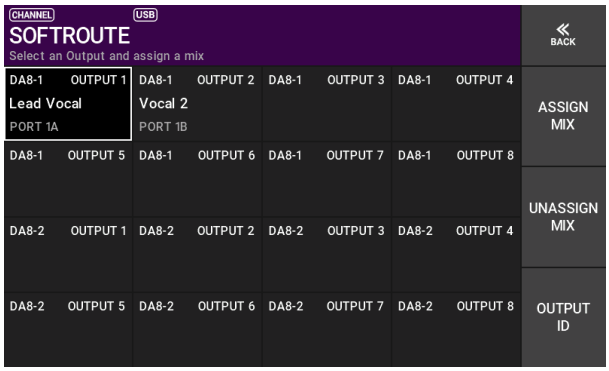
NOTE: To find Dante Network IP information, LONG PRESS on the Dante Firmware or Software cells on the LIVEMIX VERSION INFO screen.



SOFTROUTE

MIX TOOLS > SETTINGS (GEAR) > SOFTROUTE

Softroute™ is used to route personal mixes to the analog outputs of connected Livemix Pro DA-8 analog output units.



NOTE: Softroute can easily switch the routing between mixes and outputs. For example, someone may have a guitar mix on a Livemix Pro DUO Mix A and a keyboard mix on Mix B. With Softroute, the mix sent to a wireless transmitter can be switched seamlessly. The same performer can get a guitar mix switched to a keys mix without changing their mix unit.

A single DA-8 has 8 stereo output ports. A Livemix Pro-16/32 can connect to two DA-8 units for a total of 16 stereo outputs.

The Softroute screen shows each of the potential 16 outputs in the main window.

SOFTROUTE CELL LEGEND

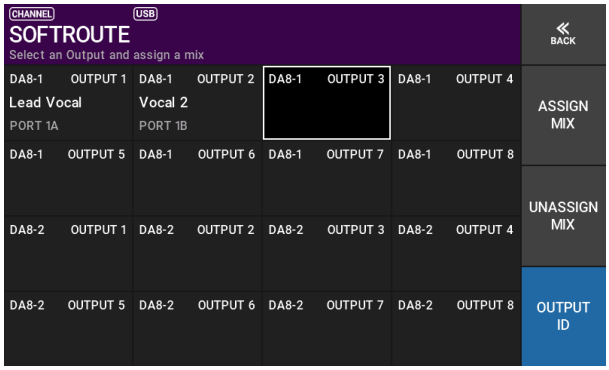
The SoftRoute cells are arranged with the first 8 cells dedicated to the DA-8 connected to the "FIRST DA-8" port on the back of a Livemix Pro-16/32. The second 8 cells are dedicated to the "SECOND DA-8" port.

The SoftRoute cells contain the following information:

- DA-8 unit (first or second) and the Output (1-8)
- Assigned MIX NAME
- Assigned MIX PORT

IDENTIFY OUTPUT PORTS

SoftRoute's OUTPUT ID function will flash the front panel ID of the selected output port and emit a test tone from the outputs. This allows users to quickly identify which device (like a wireless transmitter) is connected to which output jacks without tracing cables in the back of a rack.



To identify output ports:

1. Select the DA-8 and output port to identify by selecting the desired cell.
2. Press Output ID in the right hand menu area. The selected output indicator LED will flash on the DA-8 and a test tone will be audible if the output is connected to a device, usually a wireless in-ear monitor transmitter.
3. Continue to select DA-8 output ports to identify other units.

ROUTE MIXES TO OUTPUTS

To assign a mix to a DA-8 output:

1. Select the DA-8 unit and output port by selecting the desired cell.
2. PRESS the ASSIGN MIX button in the right hand menu area.
3. Select which Livemix Pro personal mixer port to assign to the output.
4. Repeat for other mixes.

To unassign a mix from an output:

1. Select the cell with the mix to unassign.
2. PRESS the UNASSIGN MIX button in the right hand menu area.

GLOBAL DIM

MIX TOOLS > SETTINGS (GEAR) >GLOBAL DIM

Pressing the GLOBAL DIM button will reduce the brightness of *all* the personal mixers in the system, reducing light spillage when performers leave the stage.

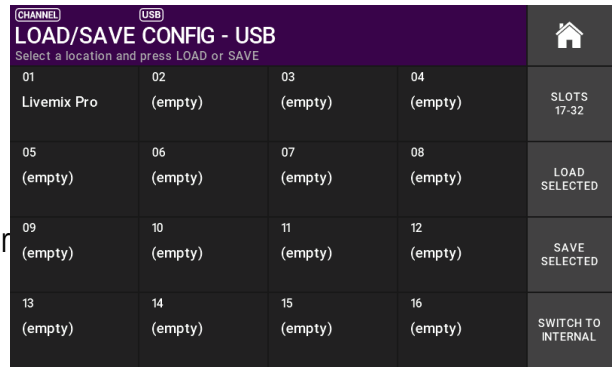
LOAD/SAVE CONFIG

MIX TOOLS > SETTINGS (GEAR) > LOAD/SAVE CONFIG

Global Configuration settings can be saved to one of 32 internal save slots. An additional 32 slots are available with a USB Flash Drive. Each of the save locations will display the name of the saved Global Configuration as well as the number of the save slot.

Included in the Global Configuration Save:

- Channel Names
- Channel Effects
- Max Channels
- Stereo/Mono Channel Settings
- Accessory Publish Settings
- Global Mute Settings
- Softroute Settings



To save a Global Configuration:

1. Select one of the 32 save locations (use the Slots 17-32 button in the r the Global Configuration. If saving to a USB Flash Drive, PRESS the SWITCH TO USB button in the right hand menu area to access the 32 save locations on the USB Flash Drive.
2. PRESS the Save Selected button in the right hand menu area.
3. Enter a name for the saved Global Configuration.
4. PRESS the SAVE button in the right hand menu area.

To load a Global Configuration:

1. Select one of the 32 locations (use the Slots 17-32 button in the right hand menu area to access slots 17-32) to load the Global Configuration. If loading from a USB Flash Drive, PRESS the SWITCH TO USB button in the right hand menu area to access the 32 locations on the USB Flash Drive.
2. PRESS the LOAD Selected button in the right hand menu area.

SCREENSAVER

To protect the screen from potential burn-in, a screensaver will automatically activate after 60 minutes of inactivity. Any button press, knob turn or touchscreen press will return the screen to the active state.

SHORTCUTS AND NON-MENU FEATURES

MASTER MUTE

To mute the master output, LONG PRESS the MASTER VOLUME Knob. When the master output is active, a red MASTER icon will appear in the status bar.

USE PRO DUO AS A SINGLE USER MIXER

The two mixes on a PRO DUO can be linked so that both the MIX A and MIX B knobs control the same mix. In this mode, the MIX B is unavailable for local mixing. To use the PRO DUO in single user mode, LONG PRESS both the A and B side MASTER VOLUME knobs. A blue AB icon will appear in the status bar when the two sides are linked.

LONG PRESS both the A and B side again to return to the two user mode.

TEMPORARILY REMOVE CHANNEL FROM GROUP

Select a channel in a group and LONG PRESS the ADJUST Knob for two seconds. The white border will flash to indicate the channel is now adjustable outside of the group.

PRESS the ADJUST Knob once to place the channel back into the group.

This is helpful in cases like a drum group where the user may want to adjust the kick or snare outside of the group quickly. This can also be accomplished in the EXPANDED view of any group.

ADJUST ALL CHANNELS

All of the channels can be added to a temporary group so that the volume can be scaled up or down. This is helpful when the individual channel volumes are too high and need to be lowered at once.

LONG PRESS the ADJUST Knob for 5 seconds to add all the channels to a temporary group.

PRESS the ADJUST knob quickly to deactivate the temporary group.

NOTE: This feature can also be accessed in MIX TOOLS > LOCAL MIX OPTIONS > ADJUST ALL CHANNELS.

SHORTCUTS AND NON-MENU FEATURES

On C0, Group Mix Expanded: long-press channel cell = enter Single Channel View on that channel

On Group Mix: long-press group cell = enter Group Mix Expanded for that group

On Master EQ, Channel EQ: press ADJUST = switch between EQ bands

On Keyboard screens: hold down BACKSPACE = repeated backspace

On Single Channel View: long-press channel name cell = enter Channel Naming on selected channel (on Channels 1-64 only)

= enter Accessory Setup (on Aux L/R channels only)

= enter Accessory Setup (on SOLO-MD Intercom channel only)

On Single Channel View: long-press preset name cell = enter Channel Preset on selected channel (on Channels 1-64 only)

On Adjust All: press ADJUST = exit (alternative to “Back” menu button)

On Load/Save Mix screen: long-press slot cell = bring up “Delete Mix?” prompt

On Global Load/Save screen: long-press slot cell = bring up “Delete Global Configuration?” prompt

On Version Info screen: long-press “Pro Duo/Solo Version” cell = bring up “Factory Reset Pro CS?” prompt

On Version Info screen: long-press “Pro 16/32 Version” cell = bring up “Factory Reset Pro 16/32?” prompt

On Enter Passcode screen: long-press ME twice = bring up “Remove Passcode?” prompt (back door when passcode lost)

APPENDIX

EFFECT PRESETS

1	DRUMS: ROCK KICK
2	DRUMS: JAZZ KICK
3	DRUMS: ROCK SNARE
4	DRUMS: JAZZ SNARE
5	DRUMS: TOM LOW
6	DRUMS: TOM MID
7	DRUMS: TOM HIGH
8	DRUMS: OVERHEAD ROCK
9	DRUMS: OVERHEAD JAZZ
10	DRUMS: STEREO DRUMS
11	DRUMS: HIGH HAT
12	BASS: ELECTRIC FINGER
13	BASS: ELECTRIC PICK
14	BASS: ELECTRIC SLAP
15	BASS: UPRIGHT
16	GUITAR: ELECTRIC LEAD
17	GUITAR: ELECTRIC RHYTHM
18	GUITAR: ACOUSTIC
19	KEYS: ACOUSTIC PIANO
20	KEYS: ELECTRIC PIANO
21	KEYS: SYNTH
22	HORNS: TRUMPET
23	HORNS: TROMBONE
24	HORNS: SAX
25	STRINGS: VIOLIN
26	STRINGS: CELLO
27	PERCUSSION: BONGO/CONGA
28	VOX: MALE LEAD
29	VOX: MALE BACKGROUND
30	VOX: FEMALE LEAD
31	VOX: FEMALE BACKGROUND
32	VOX: MALE SPEECH
33	VOX: FEMALE SPEECH

MIX TOOLS + MENU MAP

HOME SCREEN

```
NEXT CHANNELS
PREVIOUS CHANNELS
LOAD & SAVE MIX
MIX TOOLS
 |_ GROUP SETUP
 |_ REVERB CHANNELS
 |_ MIRRORMIX
 |_ LOCAL MIX OPTIONS
   |_ ADJUST ALL CHANNELS
   |_ HOT KEY SETUP
   |_ ACCESSORY SETUP
   |_ MUTE SOLO SETUP
   |_ DISPLAY SETUP
   |_ BACKUP LOCAL MIXES
 |_ MASTER MIX OPTIONS
   |_ COMPRESSOR
   |_ EQUALIZATION
   |_ HIGH PASS FILTER
   |_ REVERB
   |_ OUTPUT CONFIG
 |_ SETTINGS (GEAR)
   |_ CHANNEL SETUP
            |_ STEREO MONO SETUP
            |_ CHANNEL EFFECTS
            |_ CHANNEL NAMING
            |_ CSV/DANTE IMPORT
            |_ SET MAX CHANNELS
            |_ ACCESSORY PUBLISH
   |_ UTILITIES
            |_ GLOBAL MUTE
            |_ SET CLOCK
            |_ SET PASSCODE
            |_ BACKUP CONFIG
            |_ VERSION INFO
   |_ SOFTROUTE
   |_ GLOBAL DIM
   |_ GLOBAL LOAD/SAVE
```

TROUBLESHOOTING

My PRO DUO/SOLO/SOLO MD is not powering on.	Verify that the shielded network cable is connected from a PRO-16/32 Mix Port to the MIX PORT on the PRO DUO/SOLO/SOLO MD. The light ring on the PRO 16/32 MIX PORT will light up blue when power is connected and the yellow light will light when there is a problem receiving information from the PRO-16/32. NOTE: You cannot connect a PRO DUO/SOLO/SOLO MD to the MIX PORT Thru on a PRO SOLO/SOLO MD. Verify that your PRO-16/32 is powered on.
I do not hear any sound coming out of my headphones or stage monitor.	Verify that the master volume knob is turned up and that the Mute Master Output is not selected in the Master Output Settings. Also ensure the volume levels on each channel are appropriate. Ensure that the Volume Limiter is not turned all the way down.
I do not hear any sound from a specific channel in my mix.	Verify that the channel is not muted. If it is muted, you will see a red mute label next to the channel name on the channel cell and a red indicator will be visible on the Status Bar. Verify that the channel is routed properly if using Dante Controller. If your mixing console supports direct output muting, verify these that these are not activated.
I do not hear any sound from my media player connected to the Aux Input.	Go to the Accessory Channels, make sure the volume for the Aux Input source is turned up. In Accessory Setup or the Aux Input Single Channel View, verify Monitor All Aux is selected.
I am adjusting the panning but everything still sounds mono.	Go to the Master Output Settings and verify that your personal mixer is set to Headphones Stereo and not Balanced Mono.
My personal mix sounds dry and clinical. I don't feel any connection with the other musicians or the audience.	In the Accessory Channels, select the Ambient Mic channel and ROTATE the ADJUST knob to add some ambient sound to your mix. You might also try adding some reverb by pressing the Master Volume knob and selecting Master Reverb. Ensure the desired channel has reverb activated in the Reverb Channel Selection menu.
I can't hear the Ambient Mic or Intercom.	Verify the PRO DUO/SOLO/SOLO MD is not set to Balanced Mono mode. In Balanced Mono mode, the ambient mics and intercom are turned off to reduce feedback. It also keeps the intercom out of the floor wedges.

MIX B on the Pro DUO doesn't seem to be working.	The PRO DUO might be in the Linked Mode. PRESS and HOLD both Master Volume knobs to exit Linked Mode or power cycle the personal mixer.
There is a clicking, popping or audio dropouts.	Audible clicking and popping is usually an issue with the clock source. Verify that your console or Dante device is set to be the Leader and Livemix is set to be the Follower. This can be done through the Dante controller on a Windows PC or Mac computer. NOTE: If you desire to have your console's internal (or local) clock be the clock source, select this configuration setting on your console. Then in Dante Controller, set your console's Dante option card to be the Leader Dante device on the Dante network and select "Sync to External" for this. If audio is dropping out for a few seconds on a Dante input version, and you are using a switch, verify that it is a gigabit switch and that it is not an EEE or "green" ethernet switch.
I don't hear any channels.	Verify that there are not any cable couplers, hubs, switches or splitters between the personal mixers and Pro-16/32. Check the network cable connecting the personal mixer to the Pro-16/32. If it was poorly constructed or there is a break in the cable, you may not be getting the proper data to the personal mixer.

LIVEMIX SUPPORT

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PRO DUO/SOLO/SOLO MD SPECIFICATIONS

Output Power & THD+N	@22Ω	200mW @ 1% THD+N
		100mW @ .03% THD +N
	@32Ω	250mW @ 1% THD+N
		100mW @ .014% THD +N
	@64Ω	250mW @ 1% THD+N
		100mW @ .005% THD +N
	@300Ω	130mW @ 1% THD+N
		100mW @ .003% THD +N
Frequency Response	20 Hz - 22 kHz ± 3 dB	
S/N Ratio	103 dB	
Input Impedance (Aux In)	7.5kΩ	
Crosstalk (Left to Right)	-103 dB	
Max Cable Length from PRO-16/32	100m CAT5e (shielded REQUIRED) Use shielded CAT5e for distances over 75m (250ft)	
Filter Q	High Pass and Low Pass	.707
	Peak/Dip	1.5
Filter Cut/Boost Amount	± 6 dB	
Ambient Mic Gain	25 dB	
Dimensions	PRO-DUO 8.8" (224mm) W 6" (152mm) D 2.25" (57mm) H	PRO-SOLO and PRO-SOLO MD 6.7" (170mm) W 6" (152mm) D 2.25" (57mm) H

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