

myMix install



Networkable personal audio mixing system for fixed installation

OWNER'S MANUAL & INSTALLATION

English

IMPORTANT!

**The installation must be done by a qualified professional.
Read the following before operating myMix.**



1. Read all safety and operating instruction before using myMix.
 2. Keep these instructions in a safe place for future reference.
 3. Heed all warnings and follow all instructions.
 4. Do not use the myMix unit near water, e.g. a bathtub, or swimming pool.
 5. Clean only with dry cloth, and keep moisture away from the unit.
 6. Do not block any ventilation openings. Install and use only in accordance with the manufacturer's instructions.
 7. Do not install or use near any heat sources such as radiators, heat registers, stoves, or other apparatus (including power amplifiers) that produce heat.
 8. Protect the power cord from being walked on or pinched. Replace the power supply if the power cord or power supply shows signs of damage.
 9. Only use attachments and accessories specified by the manufacturer.
 10. The myMix unit should only be used with a power supply as specified from the manufacturer. If the provided plug of the power supply does not fit in your outlet, consult your local dealer for the appropriate outlet.
 11. Do not handle the power supply and other power cables with wet hands or on wet floor to avoid the risk of electric shock.
 12. Unplug the myMix unit during lightning storms.
 13. Refer all servicing to qualified service personnel. Do not attempt to open the unit yourself. Servicing is required when the myMix unit has been damaged in any way, liquid has been spilled or objects fallen into the unit, the unit has been exposed to water or moisture, does not operate normally, or has been dropped.
 14. Exchanging the internal battery for memory should only be done by qualified personnel. Note that exchanging the battery will return the unit in factory default settings. Refer to your local dealer or the myMix tech support if in doubt.
 15. Do not place any objects filled with liquids such as cups and glasses on the unit.
 16. Excessive sound pressure level from earphones, headphones and speakers can cause hearing damage and even hearing loss.
 17. If anything drops into the media card slot, remove it after unplugging the power supply or Ethernet cable (when using Power over Ethernet), or consult your technical representative.
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WARNINGS



- ◆ Do not locate myMix in a place subject to excessive heat or in direct sunlight. This could be a fire hazard.
- ◆ Do not place myMix in a place subject to excessive humidity or dust. This could be a fire and electrical shock hazard.
- ◆ Connect the supplied AC power supply only to an AC outlet of the type stated in this Owner's Manual or as marked on the main unit. Failure to do so is a fire and electrical shock hazard.
- ◆ Do not place heavy objects on the power cord. A damaged power cord is a potential fire and electrical shock hazard.
- ◆ If the power cord is damaged (i.e., cut or a bare wire is exposed), ask your dealer for a replacement. Using myMix in this condition is a fire and shock hazard.
- ◆ Hold the AC power supply when disconnecting from an AC outlet. Never pull the cord. Damaging the power cord in this way is a potential fire and electrical shock hazard.
- ◆ Do not place small metal objects on top of myMix. Metal objects inside myMix are a fire and electrical shock hazard.
- ◆ Do not block the myMix ventilation holes. myMix has ventilation holes at the front and the rear to prevent the internal temperature from rising. Blocked ventilation holes can damage to the unit and are a fire hazard.
- ◆ Do not try to modify myMix. This could be a fire and electrical shock hazard.
- ◆ Do not use myMix in an environment outside of the temperature range between 5°C and 35°C (41°F and 95°F).

INFORMATION ON SD/SDHC CARDS

- ◆ In order to work with myMix, SD/SDHC cards need to be compliant with SD Card Assoc. (SDA) 2.0 specifications. SD cards not compliant to this spec will not be recognized in myMix, and will generate an error message. If in doubt, check on www.myMixaudio.com for recommended SD/SDHC media.
- ◆ Before you use an SD/SDHC card with myMix it needs to be formatted. Insert the card (side with logo facing up, pins facing down) in myMix and use the FORMAT SD card function under the ADMINISTRATION menu (see page 22).
- ◆ Do not force the SD card into the card reader terminal and do not remove the SD/SDHC card while the unit is reading or writing data. Doing so may result in corrupted data on the card as well as damaging the myMix unit.
- ◆ Ensure that dust and debris do not collect in the card terminal.
- ◆ Do not place the SD/SDHC card near a heat source, or leave it exposed to high temperature and high humidity.

CAUTION



- ◆ Turn off all audio devices and speakers when connecting to myMix. Refer to the owner's manual for each device. Use the correct cables and connect as specified.
- ◆ myMix is a precision device. Handle it with care.
- ◆ If you notice any abnormality—such as smoke, odor, or noise—turn off myMix immediately. Remove the AC power cord from the AC outlet. Confirm that the abnormality is no longer present. Consult your dealer for repair. Using myMix in this condition is a fire and shock hazard.
- ◆ If a foreign object or water gets inside myMix, turn it off immediately. Remove the AC power supply from the AC outlet. Consult your dealer for repair. Using myMix in this condition is a fire and electrical shock hazard.
- ◆ If you plan not to use myMix for a long period of time (such as when you are on vacation), remove the AC power supply from the AC outlet. Leaving myMix connected is a fire hazard.

Declaration of Conformity (for USA)

Model Number: myMix
Type of Equipment: Professional Audio Recording and Mixing Device
Responsible Party: MOVEK, LLC
Address: 6517 Navaho Trail, Edina, Minnesota, 55439, U.S.A.
Telephone Number : 1 (952) 657-7889

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Changes or modifications to this equipment not expressly approved by the manufacturer for compliance could void the user's authority to operate this equipment.

Information for Users on Collection and Disposal of Old Equipment (European Union)

The symbol below on the products, packaging and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling of old product please take them to applicable collection points, in accordance with your national legislation and the directives 2002/96/EC and 2006/66/EC.. By disposing of these products correctly, you will help to save valuable sources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the item.



Information on Disposal in countries outside the European Union

The symbol above is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

LIMITED WARRANTY

This MOVEK warranty applies only to products you purchased for your own use. This MOVEK limited warranty is available in others languages at www.mymixaudio.com.

MOVEK warrants that each myMix product that you purchase is free from defects in materials and workmanship under normal use during the warranty period. The warranty period starts on the original date of purchased specified on your sales receipt or invoice unless MOVEK informs you otherwise in writing. During the warranty period of one year (or longer as required by law) MOVEK will provide warranty service without charge for parts and labor in case a defect in material or workmanship occurs.

THIS WARRANTY IS YOUR EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES APPLY ONLY TO THE EXTENT REQUIRED BY LAW AND ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION ON DURATION MAY NOT APPLY TO YOU. LIMITATION OF WARRANTY: UNDER NO CIRCUMSTANCES SHALL MOVEK, ITS SUPPLIERS, RESELLERS, OR SERVICE PROVIDERS BE LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES; 2) LOSS OR DAMAGE TO YOUR DATA; OR 3) SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. AS SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION. YOU MAY ALSO HAVE OTHER RIGHTS UNDER APPLICABLE LAW OR WRITTEN AGREEMENT WITH LENOVO. NOTHING IN THIS WARRANTY AFFECTS STATUTORY RIGHTS, INCLUDING RIGHTS OF CONSUMERS UNDER NATIONAL LEGISLATION GOVERNING THE SALE OF CONSUMER GOODS THAT CANNOT BE WAIVED OR LIMITED BY CONTRACT.

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INTRODUCTION

Thank you and congratulations for purchasing **myMix INSTALL**, the first networked personal mixer and multi-track recorder built for professionals. The **myMix INSTALL** is technically the same device as the portable **myMix**, just in a different housing with different connectors. All functionality of a standard myMix also apply to the **myMix INSTALL**. This owner's manual covers all basic information for installation as well as operation in a step by step process. Please take the time and read it carefully.

myMix is an audio mixing system that allows every user to create a local mix, whether monitoring with headphones, or driving a speaker system. Each unit has two combination mic/line inputs, balanced stereo outputs, and a headphone jack. Additional signals can be brought into the system by other mymix devices or using the IEX-16L, 16-channel input expander. On every myMix the user can choose up to 16 channels á la carte from all signals on the network for an individual mix.

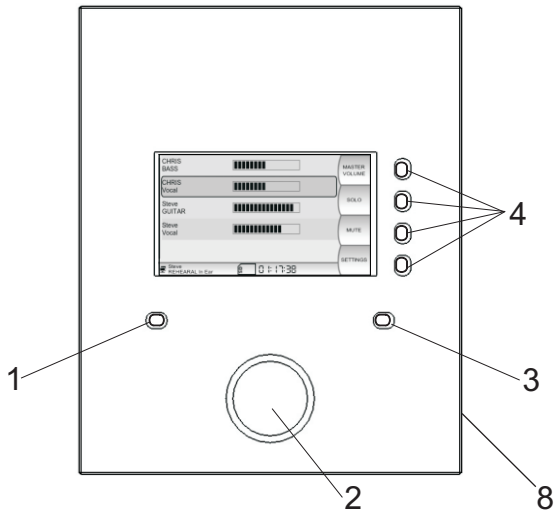
A **myMix** system is different in that it doesn't require a master unit. The connection of the individual units is accomplished using common Ethernet CAT5 cabling and a 100MBs Fast Ethernet switch. Once a unit is connected to the network, each input source (e.g. microphone or instrument) can be available on all **myMix** units allowing a user to create an individual mix without affecting others on the network. **myMix** can record up to 18 tracks of multi-track audio to an optional SD or SDHC card. Two tracks cover the stereo mix and up to 16 tracks are sourced directly. All audio files are recorded in 24-bit, 48 kHz time-stamped .wav files. myMix can also play back files from SD card and mix them, instead of using the network channels.

To see how to use prerecorded material for play back in myMix please refer to:
<http://www.mymixaudio.com/mymix-wave>

In most cases myMix INSTALL will be used also to non-technical personnel, which is a big part of its original design and user interface. In order to prevent any unwanted users errors, we recommend to use the myMix CONTROL configuration tool and lock out all unwanted or critical functions from the menus. Each and every function can be locked individually. Trying to access a locked function prompts the message Setting Locked.

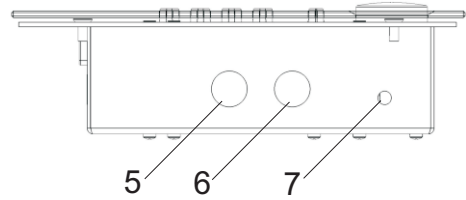
For more details on for utilizing the myMix CONTROL web browser tool please see:
www.mymixaudio.com/user-manuals

HARDWARE- DIMENSIONS



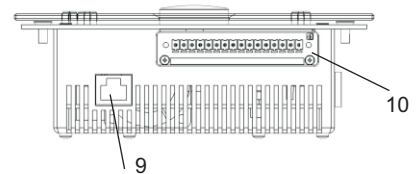
Top View

- 1 - Master Mute
- 2 - Encoder Wheel
- 3 - Record Button
- 4 - Soft Keys
- 8 - SD Card Slot (on the side, only accessible when not mounted)



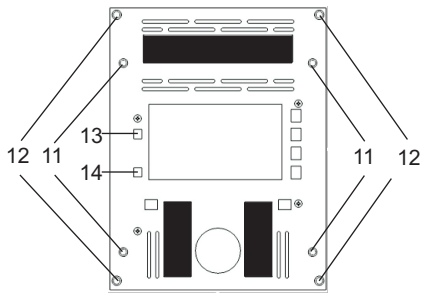
Side View

- 5 - Gain Pot Input 1
- 6 - Gain Pot Input 2
- 7 - Headphone Output (3,5mm)



Rear View

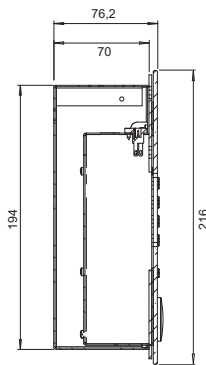
- 9 - Network Connector (RJ45) with POE
- 10 - Euro Block Connector (pin out page 8)



Top View without Glas Panel

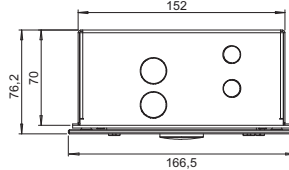
The glas top panel is fitted with a Velcro tape. For installation remove the panel carefully, attach the screws for either desk or wall-mount and put the glass panel back on.

- 11- Mounting holes for in-wall box
- 12 -Mounting holes for desk-top mounting
- 13 - Input level LED for input 1
- 14 - Input level LED for input 2

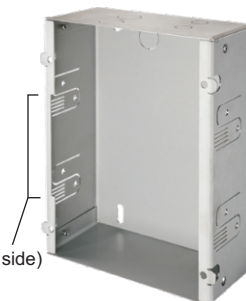
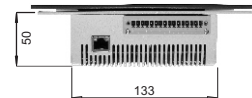


Side view with in-wall box

Top view in-wall box with break outs



Rear View Deskmount

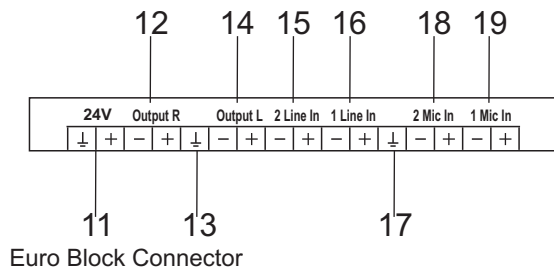


Cut out for gain pots (left side)

WMB01- wall mount box for in-wall installation

	mm	inches
Front Panel	216 x 166,5	8 1/2 x 6 9/16
In-Wall Box	194 x 152 x 70	7 41/64 x 6 x 2 3/4
Desk Mount	190 x 135 x 50	7 31/64 x 5 5/16 x 1 31/32

HARDWARE- INSTALLATION



- 11 - Power 24V (GND , +)
- 12 - Line Output Right
- 13 - Ground for Outputs
- 14 - Line Output Left
- 15 - Line Input Ch 2
- 16 - Line Input Ch 1
- 17 - Ground for Inputs
- 18 - Microphone Input Ch 2
- 19 - Microphone Input Ch 1

The myMix can be powered by Power-Over-Ethernet (POE-switch) or with an external 24V, 0.5A DC power supply

Note: Because the SD card slot is usually hidden once mounted, make sure to check for the proper firmware version on the unit (all myMix devices need to be on the same firmware rev) and update before you start the mounting. See firmware updates at www.mymixaudio.com/support .

Desk Mount

- 1) Prepare a cut out (dimensions see page 7) in the desk or board you plan to mount the unit.
- 2) Take carefully off the glass panel, using a flat soft tool (like a plastic spreader). Insert between the glass and the housing on the top and slowly move upwards to lift off the glass panel. Put the glass panel aside in a safe place.
- 3) Get the wiring ready. Use the Euro-Block male connector that comes with the myMix INSTALL and make all connections you need. For mains power you can use POE (15W) from the switch, or a 24V, 0.5A DC from an external power-supply.
- 4) Connect the Euro-Block and tighten the screws on both sides.
- 5) Connect the CAT5 cable.
- 6) Put the myMix Install in position to check for a proper fit, mark the mounting holes [12].
- 7) If you use the local inputs make the gain adjustments [5, 6]. The level input meters [13, 14] show green for signal present and red for clip. If in doubt leave the gain a bit on the lower side.
- 8) Fix the myMix INSTALL with appropriate screws.
- 9) Put the glass panel carefully over the unit, make sure it sits straight and push it gently down using your hands (no tools!)
- 10) Clean the glass panel and configure the unit for use.

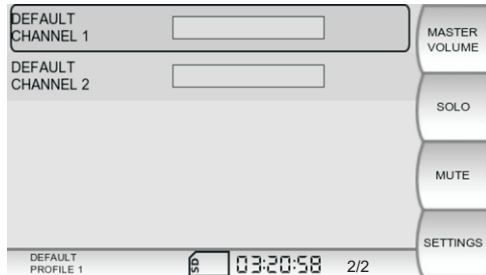
Wall Mount (needs WMB01 Wall-Mount Box)

- 1) Prepare a cut out for the WMB01 and fix it according to the underlying wall structure. The WMB01 is designed for dry wall as well as for brick walls.
- 2) Prepare the knock outs for the cables you plan to run to the unit.
- 3) Fix the WMB01(make sure the cut out for the gain pots is on the left side!) and lead the cables through the knock outs.
- 4) Follow steps 2) to 5) from desk mount
- 5) Follow step 7) from desk mount
- 6) Put the unit in the WMB01 and fix it with the screws that came with the WMB01 [11].
- 7) Follow steps 9 and 10) from desk mount.

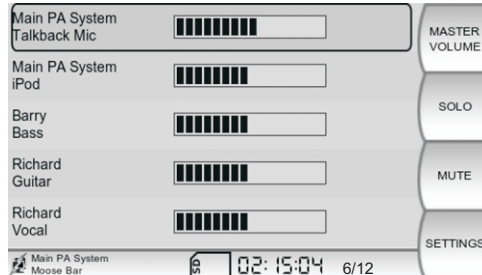
Note: By design there is a small gap between the glass panel and the metal housing of myMix Install. This gap is needed for venting. If you put myMix Install in a closed, unvented housing (e.g. using WMB01) this gap must remain open, otherwise you risk the unit to overheat and shut down.

BOOTING UP

As soon as **myMix** receives power, it will boot up with the **myMix** logo splash screen. Once boot up is complete, the main screen appears which displays your local inputs (if selected, see SETTING-Inputs) as well as the signals from other **myMix** units and input expanders. myMix devices with input signals are detected automatically. From all signals you can select a maximum of 16 audio channels. See chapter SETTING-Remote Channel Select for details.



Default Main Screen with no other units, showing the two local input channels.



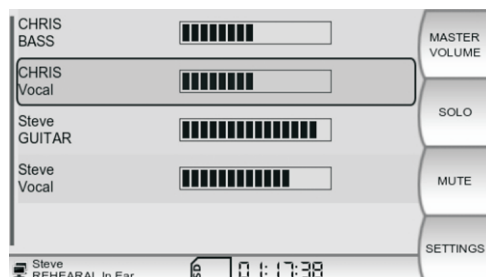
Main screen displaying other units on the network and their input channel names.

*Note: when you use **myMix** for the first time the unit boots up in factory default mode: Volume is 0%, Tone is neutral, Effect send 0%, Pan center. The same applies to every unit that is detected for the first time.*

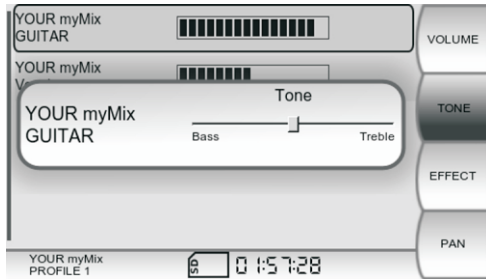
NAVIGATING MYMIX

myMix is designed for straightforward and intuitive navigation. The main navigation tools are the jog wheel and the four soft keys on the right side of the unit. Rotate the jog wheel to highlight channels, adjust parameters, and scroll through setting options and the alphabet. Push the jog wheel to show the channel screen, parameter setting, move to the next letter, or to go back. For instance, to adjust the volume of a channel, simply rotate the jog wheel to highlight the channel, push the jog wheel to bring up the channel screen, and rotate the jog wheel to adjust the volume up or down. Push the jog wheel again to go back to the main screen, or simply allow the screen to time out [also see SETTINGS Preferences, Activity Timeout]. The four soft keys on the right side of the unit change functions depending on the screen that is currently displayed. Their purpose is always listed on the screen directly to the left of the button.

For instance, if you wanted to adjust the tone of the channel, you would rotate the jog wheel to highlight the channel and push the jog wheel to bring up the channel screen. The VOLUME edit window appears.

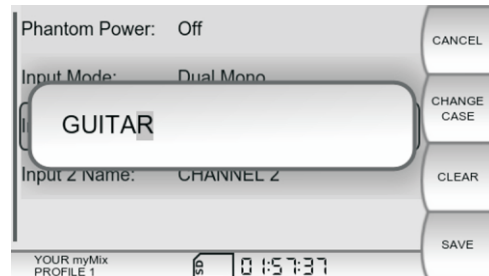


NAVIGATING MYMIX



The jog wheel navigation is used for all settings including naming. With the jog wheel you can select the letter or figure you want. CLEAR moves the cursor one step back. Naming has to be confirmed by pressing SAVE. Pushing BACK gets you to the previous screen.

Now push the soft key directly to the right of the box labeled “TONE”. Once the tone parameter is displayed you can adjust it by rotating the jog wheel. You can either push the jog wheel again to return to the main screen, or allow it to time out.



CONNECTIONS

Inputs

myMix has two input balanced input channels for microphone and line level signals. The connection is made during the installation process, usually using external connector boxes for microphones or other audio sources.

Setting Input Gain

When *myMix* INSTALL is completely mounted, the setting of the input gain is only possible when the glass panel is off. Should the input gain be too low (signal hardly audible, although the channel volume is at 100%), or too high (channel name on display flashes in red), it has to be adjusted. We recommend to have this done by a professional technician.

Outputs

The *myMix* output signal is a stereo mix. This balanced line level signal is usually connected to an amplifier, or powered loudspeakers. The 3,5mm headphone jack on the side of the *myMix* might not be accessible - depending on the mounting situation. If you are using headphone and can't access the 3,5mm output you might consider using a third party headphone amp to connect to the line level outputs. The line level outputs on *myMix* can drive headphones but don't match the impedance, resulting in a lower signal.



CAUTION: Before you connect to an amplifier or powered loudspeaker, make sure they are switched off and turned down to avoid equipment damage.



WARNING: Excessive sound pressure level on ear-plugs, headphones or loudspeakers can damage your hearing and cause hearing loss! Before you connect a headphone or in-ear monitor press the master mute button and move Master Volume down. After you made the connection, unmute and carefully increase master volume.

Network- systems with a maximum of 16 audio channels

A typical **myMix** system consists of multiple units. **myMix** units connect to each other with common CAT5 cabling through a standard off-the-shelf unmanaged 100MB Fast Ethernet switch. If you are just using two **myMix** units, or a **myMix** and one **IEX-16L**, you can connect them directly to each other without the need for a switch. Three or more units in a system will require a switch. For up to 16 audio channels most off-the shelf Ethernet switches work plug & play.

*NOTE: Don't combine **myMix** units with other network able devices, the **myMix** system network needs to be exclusive. If you plan to integrate **myMix** units in a network with other network able devices such as PCs, routers, modems or printers you need a managed switch (like with more than 16 audio channels) and configure the switch accordingly.*

Network- systems with more than 16 audio channels

Audio signals on the **myMix** network are streamed in pairs as one stereo signal, or two individual mono signals. Each **myMix** can create a mix using up to 16 audio channels (or 8 pairs). Using one or several **IEX-16L** input expanders, the amount of total available channels on the network can easily exceed that number. If you plan on using more than 16 audio channels, you need a managed switch that supports IGMP snooping and is configured accordingly. The amount of audio channels on the network is limited by the number of multicast groups the switch supports. A typical value for managed switches is 256 multicast groups (= 256 audio pairs), which allows for about 500 audio channels. If you use a GB connection to connect multiple switches, the max. channel count due to bandwidth is 160.

Selecting and Configuring Managed Ethernet Switches

Managed switches usually require additional configuration before you can use them with **myMix**, even if you are not using more than 16 channels on the network. Here some basic guidelines for configuration of up to 16 channels:

- 1) Connect a computer to the switch using one of the 100MB ports and log on.
- 2) Create a VLAN #2 and put all ports you want to use in that group.
- 3) Make the outputs "Tagged" (don't strip the tags, leave as is).
- 4) Before you log out from the switch make sure the settings have been saved.

While **myMix** works with most Fast Ethernet switches, they differ widely in the way how they need to be set up and how they support certain functionality.

See www.mymixaudio.com/ethernet/switches

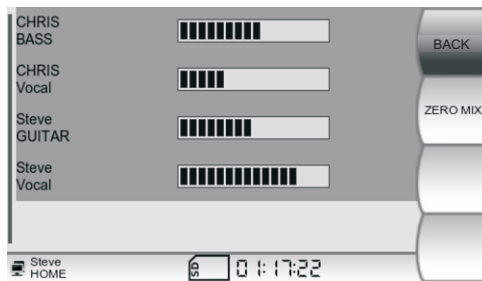
recommended switch models as well as configuration instructions.

MAIN SCREEN

The main screen shows you all the selected channels in the network that will contribute to your mix. The level indicator bar next to each channel name serves as a relative indicator towards the volume of each channel. Use the encoder [2] to scroll through the screen to select a channel.

Master Volume

To adjust the levels of all channels simultaneously, while retaining the proportions of your mix, push the soft key MASTER VOLUME. All channels will be selected and can be adjusted with the jog wheel. If a channel hits the upper or the lower limit of the volume range (0% to 100%) it will simply stop moving and all other channels will continue to adjust. If you bring a channel back from the upper or lower limit, the proportions remain the same.

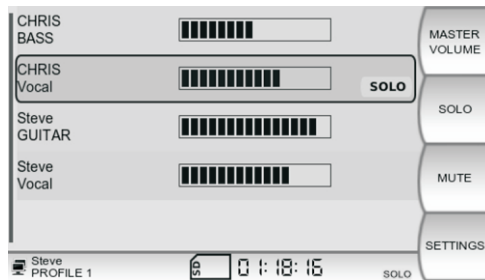


To exit the MASTER VOLUME mode, push the soft key labeled BACK. ZERO MIX returns the settings for all channels to the default position = 0%.

Push the soft key labeled BACK to return to the main screen.

Solo

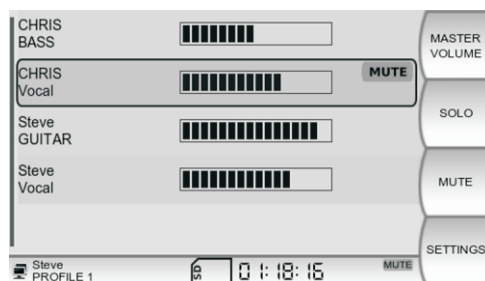
To SOLO a channel, scroll to the channel so it is highlighted and push the soft key labeled SOLO. In SOLO mode, only channels with the SOLO function activated are audible. Multiple channels can be in SOLO mode simultaneously.



A yellow SOLO indicator will appear on the channels that are in SOLO mode. Additionally, a SOLO indicator will appear in the status bar. Push the SOLO soft key again to clear the channel SOLO. Pushing and holding the SOLO button for more than three seconds clears SOLO for all channels.

Mute

To MUTE a channel, scroll to the channel so it is highlighted and push the soft key labeled MUTE. Channels with the MUTE function activated are completely silenced. Multiple channels can be in MUTE mode simultaneously.



A red MUTE indicator will appear on the channels that are in MUTE mode. Additionally, a MUTE indicator will appear in the status bar. Push the MUTE soft key again to clear the channel MUTE. Pushing and holding the MUTE button for more than three seconds clears MUTE for all channels.

To MUTE all channels immediately, press the master MUTE button on the control surface [1]. If the master MUTE button is activated it will turn red. Pressing it again will un-MUTE the master output. The input signals and „Send Mix to Network“ are not muted with this button.

Status Bar

The status bar provides information about several different aspects of *myMix* operation. The actual display depends on the situation.



Left to right: network connection with POE, unit name and active profile. SD card inserted, red dot indicates recording, the time is the remaining time on the SD card, phantom power enabled. The channel counter shows 6 selected channels from a total of 12 on the network. One or more channels muted and soloed.

CHANNEL SCREEN

Whenever you select a channel (e.g. Kick Drum) and press the jog wheel [2], you open up the Channel Screen. Here you can adjust the selected audio channel in volume and tone, add effects or adjust the panorama/balance in the stereo mix. To return to the MAIN screen, either push the jog wheel again, or allow the screen to time out (see also under SETTINGS-Preferences-Activity Time Out).

Volume

The default view on the CHANNEL screen is the volume control. The jog wheel adjusts channel volume from 0% to 100%. The default volume is 0%.

Tone

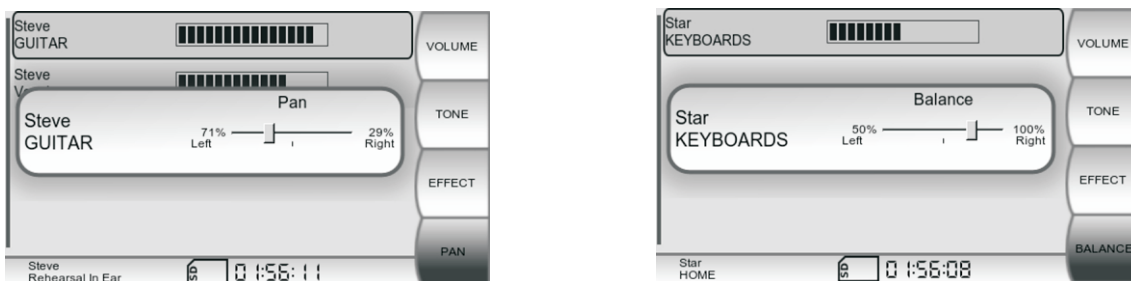
While on the CHANNEL screen, push the soft key labeled TONE to adjust simple Bass and Treble controls with the jog wheel. The default position is center.

Effect

Push the soft key labeled EFFECT to increase or decrease the amount of internal effect applied to each channel (the type of effect is selected in the EFFECTS screen under SETTINGS, if you have selected the effects type: none, no effect will be audible). The default position is 0% .Incomination with Pan this using effects is vital to create a 3D sound image.

Pan

By pushing the soft key labeled PAN, you can control where the signal appears in the stereo field. Panning signals in combination with adding some individual room effects is crucial to achieve a natural 3D sound image. Leaving all signals in the center (mono mix) will result in a one dimensional sound with little differentiation between the signals.



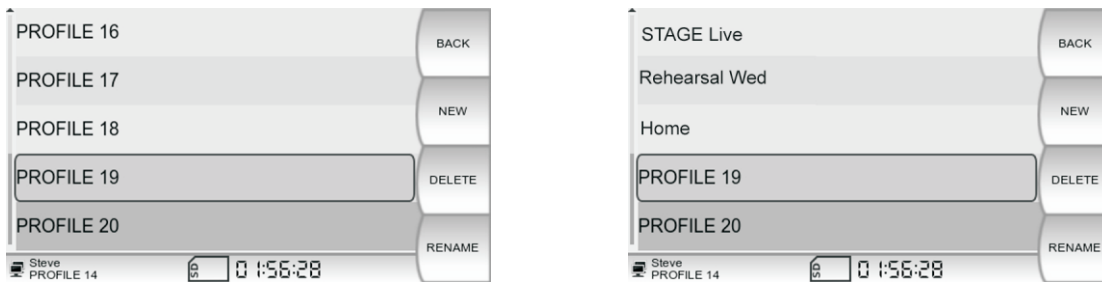
For a stereo signal, the panorama turns into a BALANCE control. Each individual channel of a stereo signal is routed 100% to the left or right by default. BALANCE allows you to move the stereo image to either side.

SETTINGS

Here you will find everything not directly involved with mixing: input configuration, naming of your device, send mix to network, channel selection, playback of recorded sessions, master equalizer, administration and preferences like screen brightness.

Profiles

A profile stores all of the settings related to a mix and is automatically updated the moment you make a change. This includes channel selection, input mode, input naming, volume, tone, mute, solo, pan, effect settings and master EQ. Profiles allow you to use your *myMix* in a variety of situations with different inputs, outputs and settings, eliminating the need to constantly reconfigure your unit. Especially when you use myMix in different scenarios - with different input sources and in-ear as well as monitor speakers we highly recommend to use dedicated profiles.

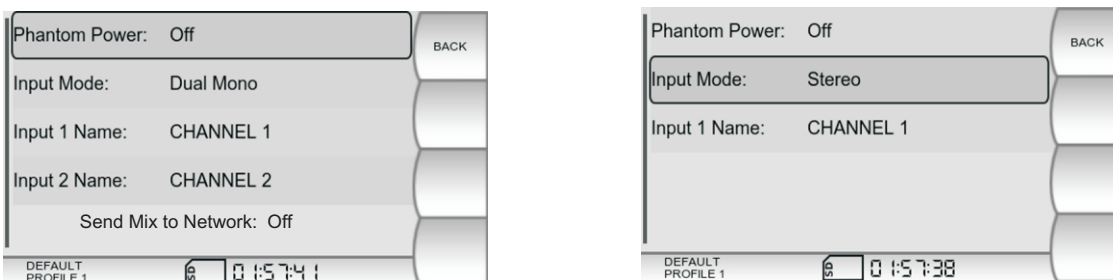


In the PROFILE screen, you can manage up to 20 different profiles. By default, there is one profile in which all changes are saved. To create a new profile press NEW. You are now automatically in the new profile, while the settings are a 100% copy of the last settings you used. All changes you apply from now on will be saved in that new profile. myMix identifies a channel by the MAC address of the source device and the channel name. Up to 128 channel names will be saved in one profile.

To select a profile, scroll to highlight and push the jog wheel. The currently selected profile name is displayed on the status bar. The profile saves the data for a network channel by name (and MAC address of the unit streaming). So if you change the name of an input it shows as a different channel on the network (while physically still the same input).

Local Inputs/Outputs

The Local Inputs/Outputs screen allows you to activate phantom power, select input modes, name your inputs and decide if you want to send your mix to the network. Phantom power is available and is switchable ON or OFF for both inputs. When phantom power is activated, an icon appears in the status bar. It is recommended to turn phantom power OFF when it is not required by an input device. myMix has four Input Modes.



DUAL MONO – Select dual mono for two independent sources such as an instrument and a vocal microphone. Dual mono inputs appear as two separate channels on all myMix units.

MONO - enables only input 1, input 2 is not activated. It will not show up on the mix screen. This mode is to save space on the screen and recording capacity on the SD card, it still uses the same networking capacity as a dual mono, or a stereo channel. (also see SETTINGS-Remote Channel Select).

STEREO – Select stereo when using a stereo source such as a keyboard, mp3 player, or electronic drums. In stereo mode, inputs 1 and 2 are routed 100% to the left and right sides, respectively. A stereo input is displayed as a single channel on all myMix units, yet contains left and right signals.

NONE – Select that input mode if you are not using any of your local myMix inputs at all. Because there are no inputs from your device on the network, your unit will not show up for others. If you want to use your inputs but you can't see them on the main screen, check the input mode setting.

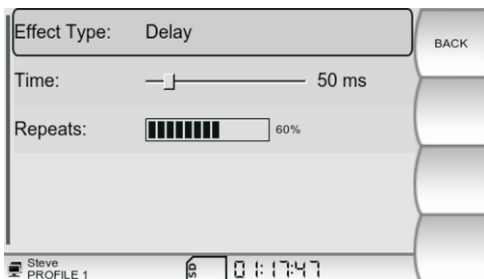
The input modes and channel names are automatically stored in your current profile. If you change the channel name, the audio setting (volume, etc.) for that channel on all devices will go back to “Zero Mix”, as it is recognized as a new channel on the network. If the channel names was previously used, it'll come up with all settings it was used last.

Local Inputs/Outputs

Turning the function „Send Mix to Network“ on, is sending the stereo mix of that **myMix** to the network allowing other myMix devices to select this mix as an input channel. The signal will show on the network with the device name and the appendix „Mix“. This function is independent of the input mode of the local inputs. If you have selected other mixes in the Remote Channel Select menu, they will be deselected when you turn „Send Mix to Network“ on. If you stay in the same profile, they will be reassigned as soon as you turn your mix off.

*Note: when „Send Mix to Network“ is ON, it is not possible to select a mix from another **myMix** on the network, in order to prevent a possible feedback loop.*

Effects



One global effect can be selected for each **myMix** unit. There is a choice of seven different effects from which to choose: three room reverbs, three hall reverbs or delay with adjustable delay time (10ms to 350ms) and repeats. Default setting for the Effect type is: Large Room. The stereo effects are important to achieve a 3D sound image!

Master Equalizer

The Master Equalizer is a stereo 4-band fully parametric EQ designed to fine tune the output of your **myMix** to the device through which you are monitoring. Each of the four bands has adjustable frequency, Q (a measure for bandwidth of the filter, where the higher the Q is, the more narrow the filter gets, and the lower the Q is, the wider the filter gets) and Gain.

The Low and High frequencies can also be configured as shelving filters. Bypass removes the Master Equalizer from the audio path yet retains your settings to quickly compare between the original and equalized versions. The setting of the master eq is saved in the current profile.

	Frequency	Q	Gain	
Low	100Hz	1.4	0dB	BACK
Low-Mid	400Hz	2.5	+6.0dB	LOW SHELF
High-Mid	1.000kHz	1.4	0dB	HIGH SHELF
High	6.000kHz	1.4	0dB	BYPASS

Steve Rehearsal In Ear 1:56:21

Sessions - Recording

Note: the SD card slot on myMix Install is only accessible when the unit is unmounted.

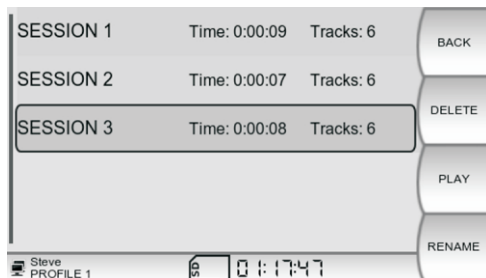
With myMix you can initiate multi-track recording with the push of a button. You can record up to 18 channels (up to 16 individual tracks plus your stereo mix) of 24-bit, 48 kHz time-stamped .wav audio files. These files can be imported into any recording/studio software for further use and also played back on a myMix. The individual tracks for recording are the same signals that you select to create your mix (see Remote Channel Select).

Before you can record you need to insert a SDHC card in the SD card slot [8] and format it [Settings-Administration]. See our website www.mymixaudio.com/SD-card-information for card recommendations.

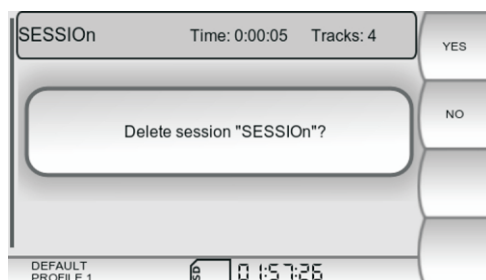
To start a recording press the REC [3] button. It will turn red and you will see a red dot in the SD card logo in the control bar. The time counter will now count down the remaining time on the SD card. The recording time depends of the size and make of your card as well as on the amount of tracks you want to record. Please note that maximum support file size is 2GB. That is about 2h:04min for a stereo track. If that time is exceeded myMix will stop the recording automatically.

	2+2	4+2	6+2	8+2	10+2	12+2	14+2	16+2
2GB	01:00	00:39	00:29	00:24	00:20	00:17	00:15	00:13
4GB	02:00	01:18	00:58	00:48	00:40	00:34	00:30	00:26
8GB	04:00	02:37	01:57	01:36	01:20	01:08	01:00	00:52
16GB	07:52	05:12	03:56	03:06	02:35	02:14	01:58	01:44
32GB	15:44	10:24	07:52	06:12	05:10	04:28	03:56	03:28

Average recording time for different size cards and tracks. Actual time may vary by make of the card.



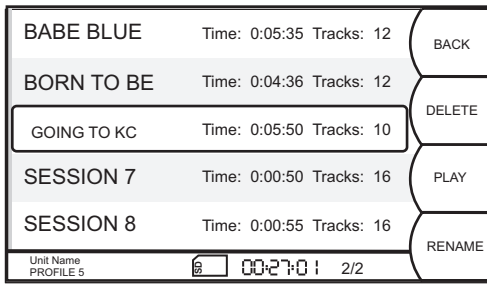
.Press REC [3] again to stop the recording. All wav files are in a folder called Session. Sessions are automatically named. Press SAVE to save a session on the SD card. With Rename you can rename a session with a more meaningful name at any time.



Session can also be deleted from the SD card. If you select DELETE, you are prompted to confirm your decision. Confirming YES will delete all files (all individual tracks and the stereo master) from the SD card. If in doubt, press NO to exit without change.

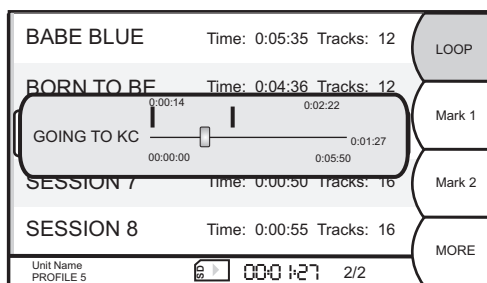
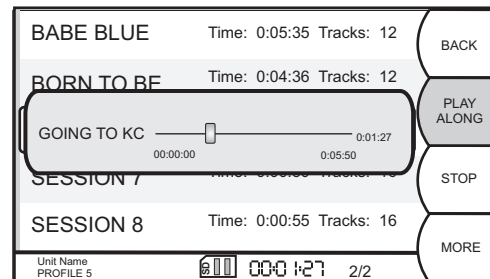
Sessions- Playback and Play Along

Sessions that were recorded with **myMix** or created using the **myMix Wave** software tool can also be played back and remixed. The individual tracks, named as the channels during the recording are played through the mixer for a remix on the fly, including all functions of the mixer. Ideal for rehearsal, half playbacks, or just to have quick access to the performance of the last concert. To access the Session screen, go to SETTINGS-Sessions.



To play a session select it with the scroll bar and then press the softkey PLAY, or push the encoder button [2]. You will see the playback screen and the tracks from the session will start playing. Press BACK twice to get to the main mix screen to remix the session. All transport functions (start, pause, forward, rewind, stop) are only active when you are on the session screen.

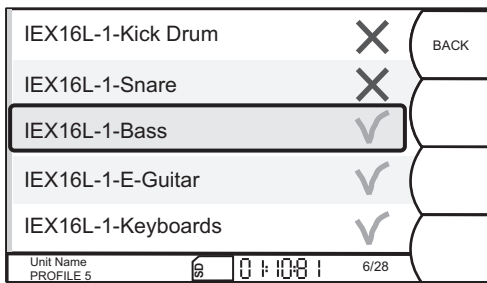
Press the encoder once to pause (icon with two blue bars), press again to restart. Turning the jog wheel moves forward or backwards. If you select PLAY ALONG you include the two local inputs of your **myMix**. If you have a session with more than 14 tracks, track 15 and 16 will be replaced by the local inputs. Play Along is a preference setting that will remain on your **myMix** until changed.



The softkey MORE toggles to a menu that lets you activate a loop function and two markers. Press Mark 1 to set the start point, press Mark 2 for the end point of the loop. Holding it for 3 seconds clears it. The markers and the loop are saved with each session on the SD card. If not in Loop the markers have no function. Press MORE again to get back to the session screen.

Note: When a session is playing, the settings of the mixer are all saved in the current profile. Thus a session played back immediately after recording will sound like the live mix. A session that has never been played in a profile starts in „zero mix“. Once changes to the mix are made they get automatically saved in the profile like any change in a live mix.

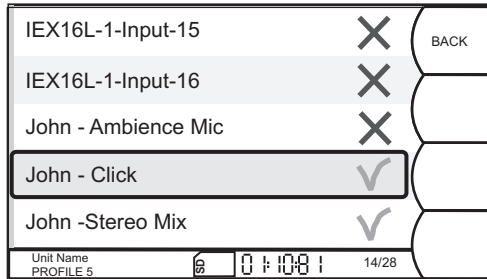
Remote Channel Select



Here you select the audio signals you want to use for your local mix. All available signals on the network: from **IEX-16L** and **myMix** are shown in a list. Scroll to a channel and press the encoder button to “Select” (green check), or “Deselect” (red X).

Each **myMix** can select its individual selection of up to 8 audio channel pairs (= 16 audio channels) from the network. The counter in the status bar shows the total amount of network channels currently available (right figure) and the amount currently selected on the **myMix** (left figure). Because audio channels are operated in pairs you will see the counter going up by two already when you select the first input of a pair.

Besides input channels from other myMix or IEX-16L you can also select the mix of other myMix devices (if it's „Send to Network“ is turned on) as long as you don't send your mix to the network.

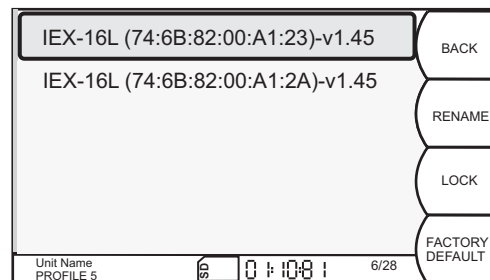


Note: If there are more than 16 channels (8 pairs) available myMix will automatically select the first 16 (8 pairs). If you want to use other channels you have to deselect at least one pair (the channel counter has to show 14/xx) before you can make a new selection.

Remote Devices

Remote Devices is showing a list of available remote devices on the myMix network like the **IEX-16L** input expander. Select the unit you want to configure from the list and press the encoder [2] to access it.

The LOCK/UNLOCK function is only available through the CONFIG port of the **IEX-16L**, not via the common NETWORK port. If a IEX-16L has been locked the softkey will read: UNLOCK and you will prompted „Remote Device is Locked“. See user manual **IEX-16L** for further details.

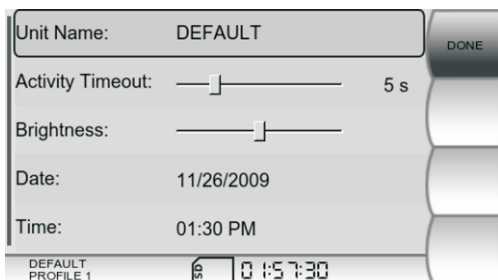
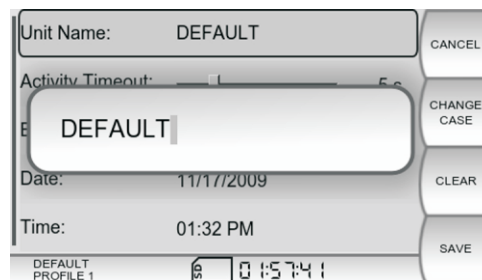


Preferences

The Preferences screen allows you to name your **myMix**, set the length of Activity Timeout, adjust screen brightness, set date and time and select between list view or grid view for the main mixing screen.

The name of your **myMix** is the primary way in which you will be identified on the network, so choose something meaningful like your first name or your nickname. Remember, you will name inputs separately and those input names will be displayed just after your unit name on the respective channel. For example, if you name your unit “Bill” and input 1 “Guitar”, the channel will be displayed as “Bill Guitar”. Use the jog wheel to scroll through characters A-Z, space, and numbers 0–9

When you have selected the desired character, space, or number, push the jog wheel to move the cursor forward. CLEAR removes the currently selected letter and moves the cursor back. The soft key labeled CHANGE CASE allows you to alternate between upper and lower case letters. Press SAVE to confirm your settings or Cancel to quit without change..



Date and Time are adjusted in the same fashion. The Date and Time that you set will be embedded into any recorded files you create. Activity Timeout refers to the length of time it takes for the CHANNEL screen to automatically revert back to the MAIN screen.

If you scroll further (below Time) you will find the preference for the view on your main mix screen. List shows all selected channels for your mix in one list. Overview shows all selected channel in a grid view, Grid view adapts automatically to the amount of selected channels. Five or less are shown as list, six to ten in large grid and 11 to 16 in small grid view.

Administration

Under Administration you will find the following topics:

- Format the SD/SDHC card. It is necessary to format a SD/SDHC card before it's used in myMix. Formatting deletes permanently all data from the card.
- Restore to factory default: this functions resets the **myMix** to factory default, cleaning also the profiles and preference settings.
- General information about your **myMix** unit such as MAC address and firmware version and network clock master.
- Update **IEX-16L**: this button is to activate the firmware update from the SD card to the **IEX-16L** (see IEX16L manual for details).

UPDATING FIRMWARE

Avoid having units with different firmware versions on the same network. The firmware update requires a temporarily free **SD card size 2- 16 GB**. To access the SD card slot on myMix Install you need to unmount the unit, which should only be done by a professional technician. Never mix different firmware versions!

To update the firmware:

1. Format SD card (ADMINISTRATION screen)
2. Download the latest firmware from www.mymixaudio.com/support
3. Save the firmware files (file extensions .blob) on the formatted SD card.
4. Unmount the myMix Install and insert the SD card while the unit is powered down and not connected to a network.
5. Hold down the MUTE [1] button and the jog wheel [2], then power up the unit.
6. Release the two buttons when you see step 1/4 on the black Firmware Update screen. Be patient while the update is taking place. When the firmware update was successful you will be prompted: Done.
7. Reboot your myMix. Before you connect to a switch make sure all units are updated!

SPECIFICATIONS

Inputs

Impedance (Microphone / Line)	2 k Ω / 20 k Ω
Input Gain (Microphone)	variable from +4 dB to +60 dB
Input Gain (Line)	variable from -16 dB to +40 dB
Maximum Input Level (Mic/Line)	+14 dBu / +34 dBu
Frequency Response	20 Hz to 20 kHz (+0dB, -1dB)

Outputs

Impedance (Line / Headphone Outputs)	75 Ω balanced / to drive >16 Ω
Max Output Level (Line)	+21 dBu

Signal to Noise Ratio > 104 dB

THD +N (Microphone Input to Line Out) < 0,022 %

Cross talk (L to R) < -80 dB

Mute > 100 dB

System Network

Network Type	Fast Ethernet 100 Mbps
Network Cabling	Cat 5
Network Latency	<2 ms
AD/DA Conversion	24-bit

Recording

Recording Media	SD or SDHC card
Recording Format	wav file, 24-bit, 48kHz sampling rate

Connectors

Microphone Input	Balanced Euro Block Screw
Line Input	Balanced Euro Block Screw
Line Output	Balanced Euro Block Screw
Headphone Output	3.5mm stereo jack
System Network	RJ45

Weight and Dimensions

Net Size (without wall-mount box) W x H x D	166,5 x 216 x 56 mm , 6,55" x 8,5" x 2,2"
Net Weight (without wall-mount box)	1,1 kg 2,4 lbs
Packaged Size W x H x D	230 x 300 x 100 mm , 9" x12" x 4"
Packaged Weight	2,0 kg 4,4 lbs



Designed in U.S.A

E & OE. All specifications and description are subject to change without prior notice.

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