

Eden Mills Community Hall

Sound System Operation

When setting up the sound system for use, please follow the following instructions:

STEP 1 (Turning on the speakers)

Turn on the two speakers located on either side of the stage. There is a switch at the back of the speaker that should be turned to the UP (on) position.



Speaker



Switch in OFF (down) position

Also turn **ON** the white switch at the side of the stage near the elevator door.



STEP 2 Recessed Receptacle Box

If microphones or musical instrument connections are to be used, they can be plugged in to the recessed receptacle box located at the downstage (closest to audience) centre of the stage. This receptacle is an Elite Core FBL 12 + AC with 12 XLR inputs and 2 AC inputs. The XLR inputs are numbered 1 to 12 starting at the top left and ending at the bottom right (see illustration below).



STEP 3 Hall Sound Control Positions

Hall sound control can be operated from several locations in the hall. The first is on the stage itself next to the stage right curtain. Using the same XLR input plugs, a second sound control position can be located off the stage at the stage right position near the elevator door. In either of these two options, the sound mixer will use the cables found behind the stage right curtain.

A third option is for the hall sound to be controlled at the back of the hall in the right-hand corner just under the window. A set of XLR input cables, similar to those backstage, can be found there. Each of the cables is numbered and corresponds to the XLR input receptacles in the recessed receptacle box (see above) located at centre stage.



Step 4 The Mackie Mixer (ProFX16)

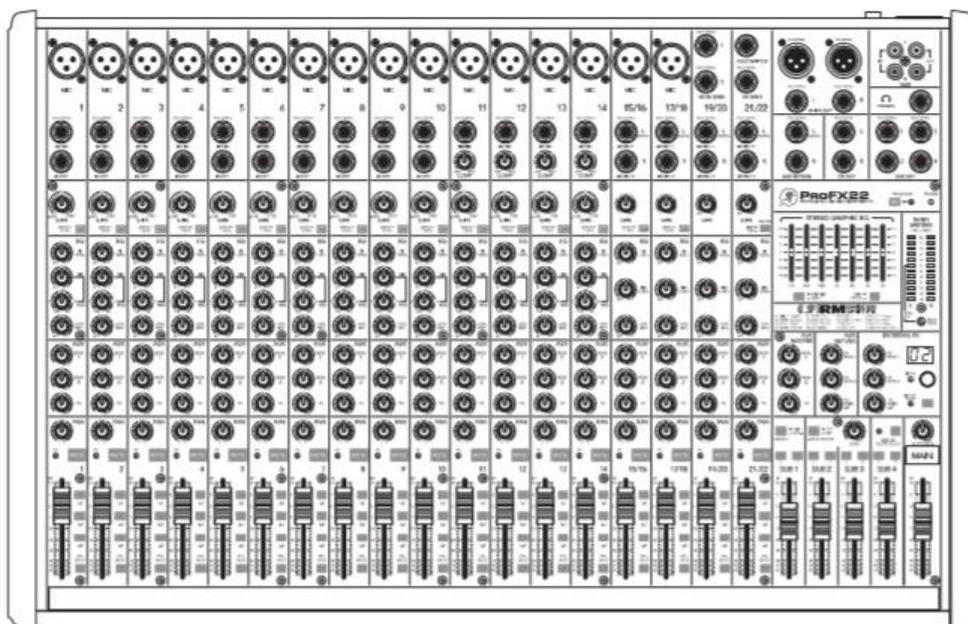
All sound is controlled from a unit called a Mackie Mixer (ProFX16) which is located on a moveable black service dolly. Position the dolly in one of the operating locations noted above.

Plug in the main power cord to the available wall outlet. The power cords from the Mackie Mixer and the DBX Loudspeaker Management System should already be plugged into a power bar under the dolly. Make sure that the power bar switch is turned on. Turn on the Mackie Mixer using the switch at the back of the unit. Make sure that the DBX Loudspeaker Management System is also plugged into the power bar and is turned on.



As noted above, each of the XLR cables found at the sound operation location is numbered and corresponds to the XLR input receptacles in the recessed receptacle box located at centre stage.

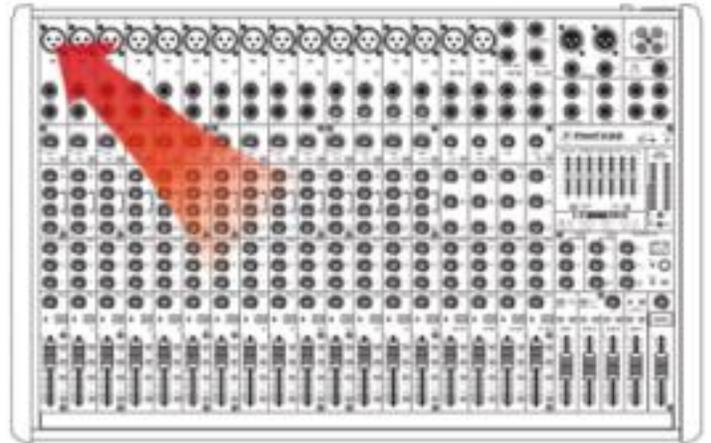
1 2 3 4 5 6 7 8 9 10 11 12



Note the number identifiers (1 through 12) of the XLR input receptacles located at the top of the Mackie Mixer. These numbers correspond to the recessed microphone and musical instrument plug-in receptacle located at the front of the stage (SEE STEP 2).

STEP 4 Microphone and Musical Instruments Plug-in

Once you have plugged the required microphones and instruments into the recessed receptacle box on the front of the stage and noted the number locations of their positions, plug the corresponding numbered XLR input plugs into the matching number on the Mackie Mixer.



XLR CABLE SHOWING MALE & FEMALE ENDS

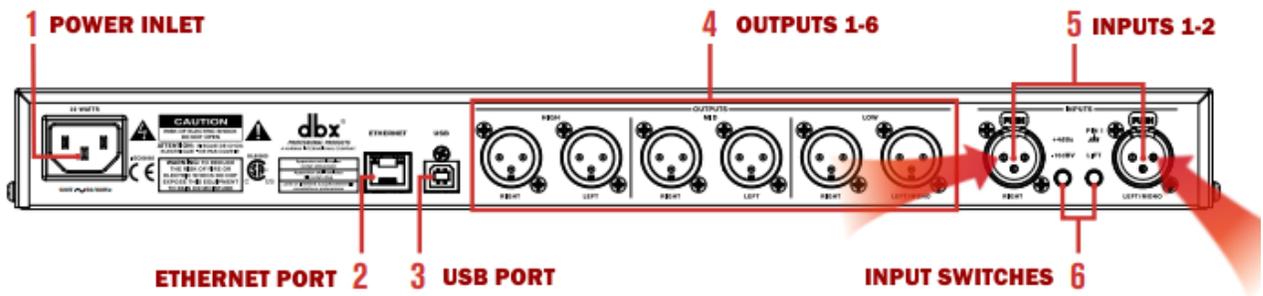
STEP 5 DBX Loudspeaker Management System



DBX Loudspeaker Management System (Front Side)

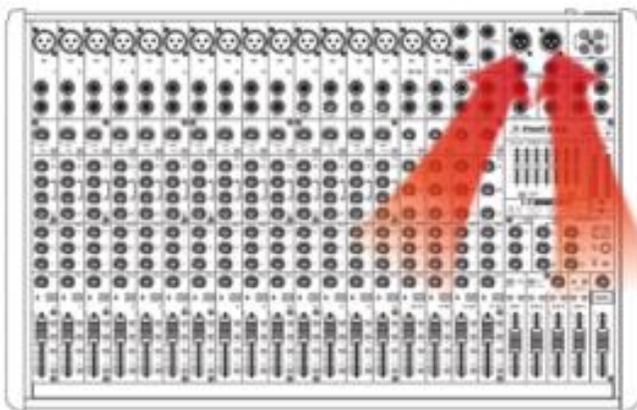
Locate the DBX Loudspeaker Management System. It is located in the rack next to the Mackie Mixer. On its rear side, it looks like this:

DBX Loudspeaker Management System (Rear Side)

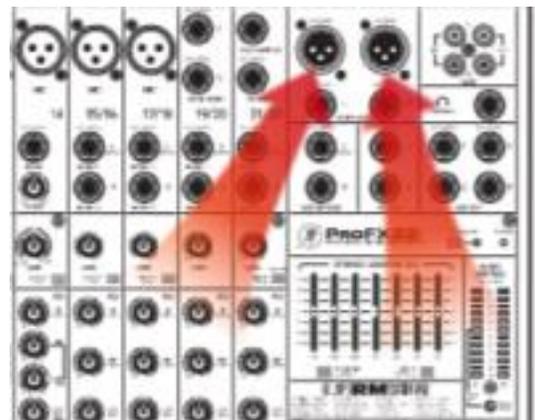


The connections between the DBX and the The Mackie Mixer (ProFX16) are usually in place. If not, connect two short (2 ft to 3 ft) XLR male to female connecting wires, insert one end of each into the two receptacles located at the right end of the rear side of the DBX unit (see above).

Connect the opposite end of the two XLR wires into the receptacles on the Maxie Mixer as shown by the arrows in the following illustration.

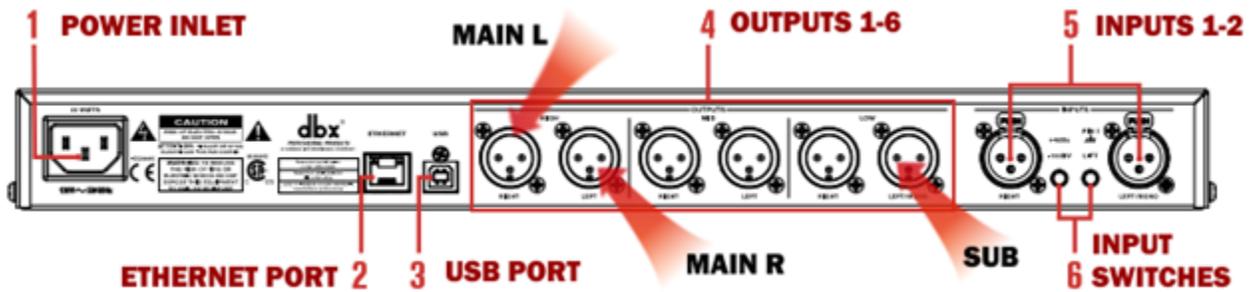


Mackie Mixer (ProFX16)



Close-up

From the group of numbered XLR plugs find three that have the words MAIN L, MAIN R, and SUB. Insert them into the receptacles as shown by the arrows in the following illustration.



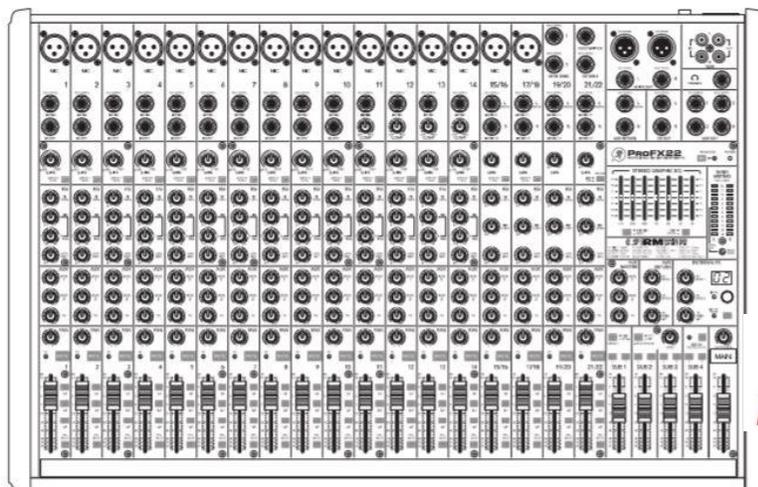
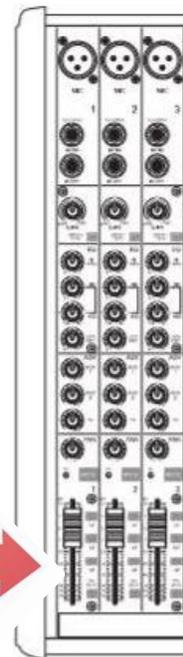
STEP 6 (Operating the Sound)

Each microphone or musical instrument attached to the Mackie Profix Mixer can be controlled separately. The controls are located below each of the XLR input plugs on the mixer. There are tone controls, special effects and volume controls, etc. For detailed instructions outlining the proper use of these controls, refer to the Mackie Profix Mixer Manual located in a drawer below the Mackie Profix Mixer.

Information on a variety of set-ups and controls can also be found in the attached Profix Mixer Manual.

The volume control for each channel is located at the bottom of the unit (see illustration on the right). There are small red lights located just above the individual volume controls associated with each channel. When the light is on, that channel is MUTE. Press the light off to open any given channel.

1 2 3



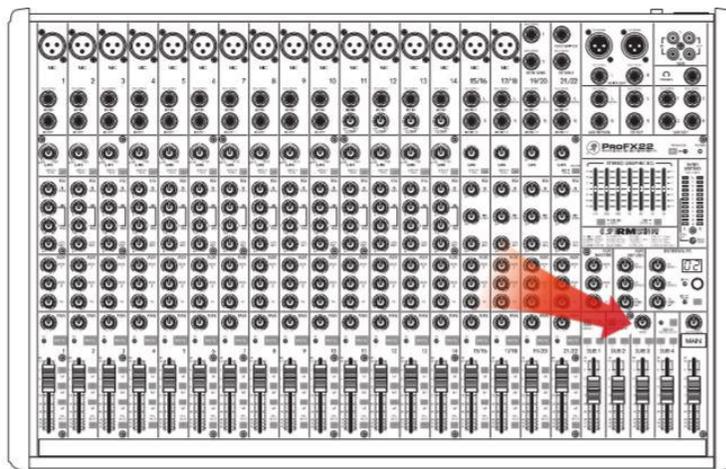
The master volume control can set the overall volume of all the attached microphones and instruments. It is located at the bottom right-hand of the console (see illustration)

STEP 7 (Music Playback from Computer or iPhone)

You may wish to playback music or sounds from a computer or iPhone or similar device. Once the Mackie Mixer is set up as per the above instructions, locate the input receptacles for music/sound playback (See illustrations below).



Using a 3.5 mm Audio to RCA Audio Cable, attach one end to the positions on the Mackie Mixer (red on red and white on white) and attach the opposite end to the source device. The volume control for these inputs is located on the Mackie Mixer as shown below.



PLEASE MAKE SURE THAT ALL SYSTEMS ARE UNPLUGGED AND/OR TURNED OFF ON COMPLETION OF THE EVENT.
IMPORTANT: TURN OFF THE MIXER BEFORE TURNING OFF THE SPEAKERS AND THE WHITE SWITCH NEAR THE ELEVATOR DOOR.