

EMS-B Help

BASICS:

- 1) Turn on the studio power by flipping the metal switch (bottom row of the console on the right-hand side of the desk, below the microphone ties, next to the word "Whirlwind")
- 2) Turn on the computer tower (black case under the TV - far left - it's the top button of 3)
- 3) When in doubt, restart the computer
- 4) NORMALIZE the board when you're through

THE MIXING BOARD

It's well marked and there is a studio flow chart on the hard drive of the computer.

HORIZONTALLY – left to right:

1-8	MIC (+48)	these correspond to the MIC TIES 1-8 (3rd row of the right console)
1-8	MDM returns (LI)	Tascam 8-track playback
9-16	DAW	Digital Audio Workstation; if you are doing a stereo piece the computer comes in through 9/10, if you are doing a 4- or 8-track piece, use all 8 channels
17-20	K2K	Kurzweil keyboard
21-22	S28	Akai Professional
23-26	TIES	RCA & other ties (top 2 rows of the right console), use with laptops, mini-disc, etc.
	Recorder sends	Generally use the MIX (yellow)
	Quad monitors	Generally use the two left rows on the bottom (Left Front = LF, Right Front = RF)
27-28	WSX	Korg keyboard
29	DAT	Tascam DA-45HR DAT machine
30		
31		
32	M3K	t.c. electronic
33-36		
37		Computer Sound Card (i.e. playing things off the web)
38	MAK Direct	Moog Synthesizer, rear of studio

VERTICALLY – top to bottom:

- 1) **Pre-amp:**
 - a) GAIN pot - red knob
 - b) +48v (Phantom power)
 - c) LI = Line Input
 - d) High Pass Filter (HPF)
 - e) \emptyset invert phase
- 2) **EQ** - grey and black pots
- 3) **Sends** - blue pots
- 4) **Pan** - yellow pot (if you are using stereo pairs, odd numbered track goes to the left, even goes to the right; be sure to press the pan "on" button below)
- 5) **Routing:**
 - a) Mix: Yellow faders
 - b) Pan: Turns Pan ON (see #4 above)
 - c) 1: Recorder sends 1 (first red fader)
 - d) 2: Recorder sends 2 (second red fader)
 - e) 3: Recorder sends 3 (third red fader)
 - f) 4: Recorder sends 4 (fourth red fader)
 - g) 5-8: Recorder sends (etc)
 - h) PFL
 - i) ON button - **VERY IMPORTANT!**
 - j) Fader - Slide to 0
 - k) M1-4 = Muting groups

This is your normal MIXING BOARD set-up for a 2-channel (stereo) project in PRO-TOOLS:

DAW 9/10

- 1) Pre-amp:
 - a) Turn GAIN to 0 (red pan pot at the top)
 - b) Turn on LI
- 2) Pan (Yellow Knobs):
 - a) Turn DAW 9 to the left, press PAN button
 - b) Turn DAW 10 to the right, press PAN button
- 3) Routing:
 - a) DAW 9, turn on MIX (this sends the signal to the yellow faders)
 - b) DAW 10, turn on MIX
 - c) Turn both channels ON
 - d) Bring FADERS 9/10 to 0
- 4) Recording Sends: Slide both MIX faders (yellow) to the top (0)
- 5) Quad monitors: (Use the two left sets on the bottom)
 - a) First column - Left Front (LF):
 - i) MIX L pot (black) – turn to about 7 or 8
 - ii) Turn ON (bottom)
 - iii) Turn RED PAN POT to -10
 - b) Second column - Right Front (RF):
 - i) MIX R pot (grey) – turn to about 7 or 8
 - ii) Turn ON (bottom)
 - iii) Turn RED PAN POT to -10

If you would like to do a 4- or 8-channel piece, please contact me and we'll go over it together. It's easy and fun!

NOTES:

- 1) This set-up should work to listen to all of the equipment, just apply the DAW 9/10 settings to the channel you're working with.
- 2) Be sure to NORMALIZE the board when you're done (i.e.. turn off LI, +48, etc.)

To record from the MICROPHONE (1) to PRO-TOOLS (9/10):

NOTES:

- 1) The microphone and XLR cable are now located at the check-out desk (where you get the key).
- 2) MIC 1 on mixing board = TIE 1 in the third row of the right console; plug the microphone cord into TIE 1.

Mixing Board (Top to bottom) on Channel 1:

Pre-amp:

- 1) GAIN – turn pan pot up to 0, then check the signal level in Pro-Tools
- 2) +48 ON
- 3) LI button up (***not on!***)

Routing:

- 1) Turn track ON
- 2) Press 1 (to send to 1 in the Recorder sends - 1st red fader)
- 3) Slide fader up to 0
- 4) Recorder sends: turn up red fader 1 to 0
- 5) **Do not** turn on 1 in the QUAD monitors or you will create a feedback loop by sending the signal through the speakers and back to the mic ...

Be sure to check your levels before you record! The best place to head off clipping is in the pre-amp section; turn down the GAIN knob on the mixing board, or if your levels are too low, turn up the GAIN.

To avoid feedback while you are recording: turn down the white faders 9/10. When you are done recording, turn back to 0, and bring fader 1 level down.

In PRO-TOOLS:

- 1) Record enable (R) track 1 by pressing the REC (r) button below the Audio #.
- 2) Use the wave selector tool to mark where you would like to begin recording.
- 3) Open the TRANSPORT WINDOW if it's not already open (apple 1)
- 4) Depress RECORD (circle) and PLAY (right-pointing arrow)
- 5) When done, press the square button to stop.

If you start to hear feedback, **IMMEDIATELY** turn down the yellow and red faders.

To record from the DAT (29) to PRO-TOOLS (9/10):

- 1) Route DAT to Group ½
- 2) Route DAW 9/10 as you would normally, but DO NOT turn ON
- 3) Record enable (r) tracks 1/2 in Pro-Tools
- 4) Select where you would like to begin recording
- 5) Open the TRANSPORT WINDOW in Pro-Tools
- 6) Press RECORD and PLAY in the transport window
- 7) Press PLAY on the DAT

To record from PRO-TOOLS (9/10) to the DAT (29):

To record from the KEYBOARD (17/18 or 27/28) to PRO-TOOLS (9/10):
(top to bottom)

17/18 or 27/28:

Pre-amp:

- 1) Turn up GAIN knob to 0
- 2) Press LI

Routing:

- 1) Send to 1 & 2
- 2) Turn ON
- 3) Turn UP fader to 0

Recording Sends: Slide (red) faders 1/2 both up to the top (0)

Quad monitors: (Use the two bottom left sets)

- 1) First column - Left Front (LF):
 - a) GRP 1 pan pot (black) - turn to about 7 or 8
 - b) Turn ON
 - c) Turn RED PAN POT to -10
- 2) Second column - Right Front (RF):
 - a) GRP 2 pan pot (grey) - turn to about 7 or 8
 - b) Turn ON
 - c) Turn RED PAN POT to -10

In PRO-TOOLS:

- 1) Record enable (r) tracks 1 & 2

- 2) To listen to what you have recorded, turn off the record enable in Pro-tools.

To record from CD to PRO-TOOLS:

In Pro-tools:

- 1) Go to File, Import Audio to Track or Import Audio
- 2) Find your CD (put it in the CD drive in the tower)
- 3) Select the track you would like to import

You can also use another software program called Soundhack to perform a similar function.

To burn a CD:

- 1) Bounce your Pro-Tools selection to disk as a 16-bit WAV or AIFF stereo interleaved file.
- 2) Use the Toast software on the desktop.

Before you leave:

Be sure to NORMALIZE the board by making sure that you have turned everything back off. This will help to prolong the life of the board. Also, turn off the power switch before you leave.

Other stuff:

Don't forget to check out the V-ROOM for better sound recording technology. It is open during regular business hours and it's located in the glass room on the right as you enter from the key check out area. It's easy to use, and there is an instruction manual in the room. Just turn on the light switch and you're ready to go.

I recommend recording to DAT so that you have a hard copy to work from. It's also easier to work with a friend to monitor via headphones (not included) the input levels from the V-ROOM to the DAT.

Whew! That's a lot of info. The most important thing to remember: HAVE FUN! Contact me if you have any questions or if anything is unclear. Please contact me if you have any questions or would like to set up an appointment to meet.

Best,

Andrea L. Reinkemeyer, GSI