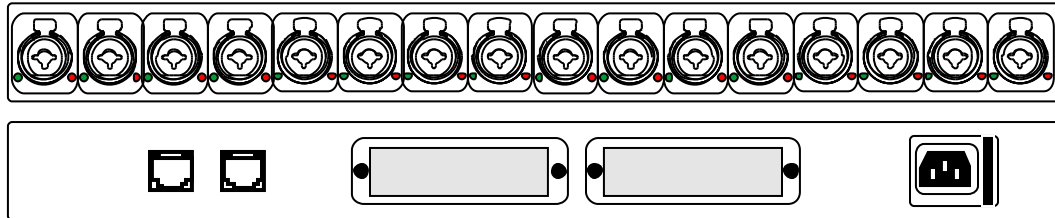


myMix Input Expander Box IEX16

Input expander to allow more signals on the myMix network or use a remote input with gain control over the network instead of the local inputs. If myMix is used in a larger PA system inputs can be used either on the IE or on the unit (as customer preference). The DI of the IE eliminates the need for an extra splitter.

Sketch:



Hardware:

19". 1U (preferred), 16 channels, built in PSU, network output with POE (to connect a myMix for set up directly).

2 x D25 line level outputs (electrical balanced direct outs, pre mic pre amp) on rear panel, ground lift switch for each connector, to allow direct signal splits.

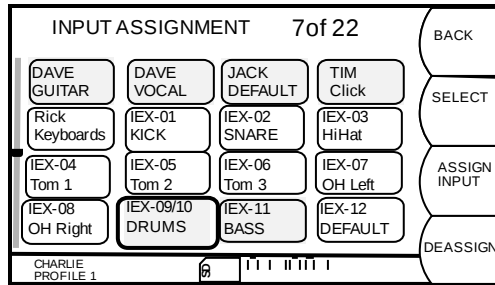
LED for Signal present (-30dBu) and Clip (+18dBu) post pre amp on front panel (or a few more LEDs depending on space)

Pre amp gain remote adjustable (DCA or VCA), input metering over network (resolution t.b.d. the selected channel shall be visible with at least 10 steps, clip needs to be present throughout the network)

XLR/jack combo, phantom power adjustable, for mic and line levels (remote 20dB PAD), min 56dB gain, audio specs as myMix.

Software:- operation from myMix (standard, below) or optional via a PC software (extra product).

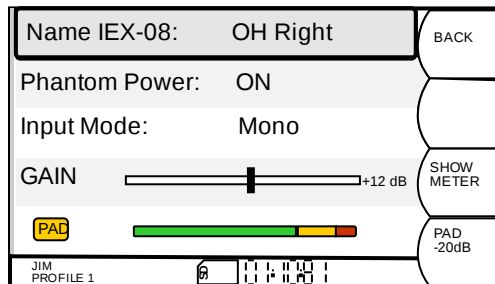
- 1) Input expander menu appears only if IEX is detected on the network (=no IEX, myMix operates as usual)
- 2) By default no IEX channel is assigned to a myMix (only the normal myMix inputs are), IE channels have as "device name" the input channel (e.g. IEX-01, IEX-02, second input expander would start at IEX-17), the channel names can be set like on the myMix input channels.
- 3) IEX menu shows all myMix and all IE channels (4x4 grid, scrolling).
- 4) Inputs for myMix are selected or deselected with soft buttons (selected channels dark, non selected channels light).
- 5) IEX channels can be clicked on to set: channel naming, gain, phantom power, stereo link (with next higher channel). Setting is stored in the current profile.
- 6) That access through myMix can be disabled with PC software (Master control).



Possible display of input assignment screen.

myMix units and their channels are displayed first, channels from IEX next. Scroll bar to see all of them.

SELECT or pressing the encoder opens the menu to name the IEX channel, adjust gain and switch phantom power. Assign puts makes it part of the mixer inputs on that unit. De-assign takes a channel off. On top a display is showing how many channels are currently selected.



Selecting the IEX channel opens the individual page, here naming of the channel, phantom power, input mode (mono or stereo link) and gain are adjusted. A 20dB PAD is available if line signals are plugged into the XLR. As real time metering needs a lot of network traffic, that information is only displayed on request (soft key) in higher resolution. The network Clip detection is always on.

PC software (extra product):

Monitor and setup (Gain, Naming, Phantom Power, Stereo Pairs) of 16 input channels per IE, similar like on the myMix unit, but for all 16 in one window. Can lock individual or all channels from access through myMix units. Needs metering with min 9 segment resolution (-30, -20, -10, 0, +6, +9, +12, +15, Clip) for selected channel and signal present and clip for all 16 permanently.

Applications:

The IEX allows the integration into a larger Concert PA system. Each myMix user can now select 16 out of 32 (48) signals he wants to use for his mix. (A stereo signal counts for 2 channels).

Inputs that are used 1:1 (vocals, guitar, bass, ...) can be fed into the IEX and via Direct Out also into the FOH console (no splitter needed!).

Signals that are submixed in the console (e.g. drums) can be fed into the IEX to be available for all myMix

Signals that are local use in monitors (e.g. click track for drummer, ambient mic for vocalist with wireless In-Ear) can be fed into the local input of the myMix.

Selling:

The IEX16 can have a MAP of \$1200 to \$1500.