INPUT CHANNEL > BSS DPR 901ii DEQ



The console has 8 internal BSS DPR 901ii Dynamic EQ processors, assignable to the insert points on input channels, output busses, and the Master LCR mix outputs. To assign a 901 DEQ, touch the channel's output block in the Vistonics touch screen, then choose INSERT to access the assignment screen.

If a BSS 901 is assigned to an Input channel or output buss, the processing block will appear next to the Dynamics block in the touch screen.

The BSS 901 is a four-band parametric Dynamic Equaliser which allows frequency-selective compression and expansion. It's essentially a parametric EQ where the boost/cut is controlled by a threshold-driven, compression/expansion control parameter. Time constants are controlled by the dynamic and harmonic content of the signal, though there is a FAST/SLOW Release for each band. An ABOVE or BELOW threshold mode allows compression or expansion actions to be targeted at quiet or loud signals, making the processor an invaluable problem-solving tool.



DEQ Band In/Out

Turn that DEQ Band On or Off.



DEQ Frequency

Adjust the centre frequency for this DEQ band. .

INPUT CHANNEL > BSS DPR 901 ii DEQ



DEQ Sidechain Solo (SC Solo)

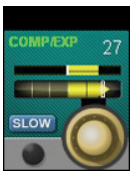
Listen to just the DEQ sidechain via the Solo buss / monitoring system..



DEQ Q / Bandwidth

Adjust the Q or Bandwidth of the filter.

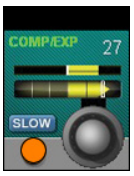
The Q control can be selected between Q-factor and Bandwidth in Octaves, using a setting in the Menu-Settings page (see section 16.9).



DEQ Compression / Expansion

Adjust the compression / expansion amount for this DEQ band.

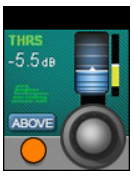
When the threshold has been crossed (EQ band activated) this band will either compress (cut) or expand (boost) the selected band, according to time constants, up to the amount set by this control.



DEQ Release Fast / Slow

Set the release time for this band.

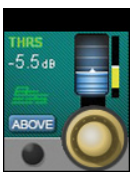
When the band is deactivated, the compression or expansion will reduce over the Release time period, back to zero compression or expansion. A fast Release means that the signal will return to normal faster.



DEQ Above/Below Threshold

Choose the active ‘polarity’ of this DEQ band.

If this parameter is set to ‘ABOVE’ the band will become active (compression / expansion triggered) when the sidechain signal rises above the threshold. If this parameter is set to ‘BELOW’ the band will become active when the sidechain signal falls below the threshold. Choose ABOVE mode to deal with problems that only become apparent at high signal levels, and BELOW mode to deal with problems at low levels.



DEQ Threshold

Set a threshold level for this DEQ band.

The threshold is the level at which this DEQ band will become active or inactive, depending on the ABOVE/BELOW parameter. The Threshold meter indicates when the signal crosses the threshold by changing colour to red, assisting adjustment of correct threshold setting.

User-Defined Setup of Encoder Rows

INPUT CHANNEL > VISTONICS / VST CONTROL



These buttons control the functionality of the input channel VST encoders.
You can assign any group or auxiliary output to the two [USER] rows using the [SETUP] button.

In V6.1 software and later, the Setup button for assignment of which Busses are assigned to the Upper and Lower rows of Vistonics encoders when the USER button is activated, is implemented. (In earlier versions, the Setup button was non-functional and the two VST Encoder rows were permanently assigned as Bus 3 / Bus 4).



VST Mode: USER

Assign the two VST Encoder rows as user-definable output controls.

The default assignments are Bus 3 and Bus 4 (typically Aux 3 & Aux 4 with the default Bus setup).
Use the VST User Mode [SETUP] button to define alternative assignments.



SETUP

Define a VST Encoder mode.

To define the VST encoder assignment for the case where the USER button is active, press [SETUP].



All screens now become black except for two Row Assign encoders to the left of the Master screen.
You can now use these Row Assign encoders to select the desired Bus for the upper and lower Vistonics encoder row.
After making a selection, press the SET button within the Control to save the selection.
Note that you will only see the Vistonics encoder Rows with the assignments you have made when you close any open channel strip processing pages.
The assignments you make for Vistonics Row Assign are saved along with the Show data, but not within individual snapshots.

INPUT CHANNEL > ENCODER MODE



These buttons determine the function of the input channel encoder at the top of the main channel strip.
There are three preset control modes [GAIN], [GATE THESHOLD] and [PAN], and two User-defined control modes.

You can assign a range of input channel parameters to the [USER 1] and [USER 2] assignments by entering Setup mode with the Encoder Mode [SETUP] button.



Mode: Input Gain

(Default) Switch the input Encoders to control analogue input gain.



Mode: Gate Threshold

Switch the input Encoders to control Gate Threshold.



Mode: Pan

Switch the input Encoders to control Pan.

INPUT CHANNEL > ENCODER MODE



Setup

Assign input channel parameters to the User 1 and 2 Encoder Mode buttons

To assign User 1 and 2 Encoder Modes, press [SETUP], then use the VST encoders to choose from a range of input channel parameters, including EQ and dynamics controls. Press the VST Encoder [SET] button to confirm the selection and press [SETUP] again to exit Setup Mode.



All Input screens now become black except for two Assign USER encoders to the left of the Master screen.
You can now use these Assign USER encoders to select which parameter will be controlled when the USER 1 and USER 2 modes are selected.
After making a selection, press the SET button within the Control to save the selection.
You can select any parameter from the channel strip for each of the two USER modes.
The assignments you make for USER 1 & USER 2 modes are saved along with the Show data, but not within individual snapshots.



Mode: User 1

Switch the input Encoders to control the parameter assigned to the [User 1] button.

The default assignment is Compressor Threshold.



Mode: User 2

Switch the input Encoders to control the parameter assigned to the [User 2] button.

The default assignment is Digital Trim.