BEHRINGER REV2496 QUICK START GUIDE

The V-VERB PRO REV2496 is a reference-class reverb modeler that simulates some of the world's most renowned reverb processors. It draws its strength from two independent effects processors that can be accessed via both analog and digital connectors. It also features 8 high-end reverb algorithms modeled after world-class reverb processors plus additional high-quality effects such as Digital Delay, Chorus/Flanger, Stereo Compressor plus much, much more

Accessing and Editing ROM and RAM (ROM=factory, RAM=user) presets
- Press the ENGINE A button
- Use the Large Data Wheel to select a preset
- Press "OK" to load the program.
- Four "knob" graphics will appear in the lower half of the display
- Turn the four A, B, C, or D edit knobs to adjust parameters. Each hardware knob corresponds to the four 'virtual' knobs displayed onscreen.
- Many of the higher-numbered presets also include other studio-quality 24-bit, 96kHz DSP-based effects, such as compression, chorus, flange, and complex delay algorithms.

REV 2496 Factory Reset Procedure
- Hold down the STORE button while turning on the power to the REV2496.
- Press the OK/TAP button when asked to confirm.

Accessing the I/O Menu
- Press the SETUP key
- Once SETUP is pressed, press the PAGE LEFT and PAGE RIGHT keys to select between the following features
- Turn A / B / C / D Edit Knobs to control the relative parameter on-screen, then push-in the knob to select/enter the desired data in the various menus:
- **I/O Menu** ➔ Allows user to select input and output setup options:
  - Master Input = Analog or Digital
  - Input Mode = Mono or Stereo
  - Wet/Dry Mix = Internal or External where Internal = wet/dry mix controlled from REV2496, External = wet/dry mix controlled from e.g. mixer aux send
  - LCD Control = Controls the brightness of the LCD screen on the REV2496
- **DIGI Menu** ➔ Allows user to select the digital source, sync options, etc.
  - Clock Source = 44.1K, 48K, 96K, Digital Input, or Wordclock
  - Input Source (Digital) = XLR or OPT
  - Dither = On / Off
  - Output Format = AES3 or S/PDIF options available
- **GAIN Menu** ➔ Allows user to control overall gain for both Analog and Digital inputs and outputs
  - Analog Input / Analog Output = gain offset for analog in and out
  - Digital Input / Digital Output = gain offset for digital in and out
- **MIDI Menu** ➔ Allows user to setup REV2496's MIDI Control Capability
  - User can setup separate MIDI channels for ENGINE A, B, and COMBI presets
  - User can setup MIDI messages to be transmitted/received/ignored

Demonstrating COMBI Dual-DSP Multi-Effect Programs
- Press the COMBI button to access the COMBI presets.
- Press "OK" to load the desired preset.

Demonstrating the TAP TEMPO Feature
- Use the Large Data Wheel to select a DELAY preset such as "ROM 009".
- Press OK to load the program.
- Repeatedly Press the OK/TAP button at the desired tempo.
- Watch the delay time parameter change on the display.

More in-depth Effects Parameter Editing
- Use the Large Data Wheel to select a preset
- Press "OK" to load the program.
- Press EDIT.
- Use the PAGE LEFT and PAGE RIGHT buttons to navigate between menu tabs
- A, B, C, and D knobs change displayed parameters
- Push-in the EDIT knobs to switch between 'top row' and 'bottom row' parameters displayed on the screen

BEHRINGER DEQ2496 QUICK START GUIDE

The ULTRACURVE PRO DEQ2496 is an ultra high-precision digital 24-bit/96 kHz EQ/RTA mastering processor. Its extremely high audio performance makes it ideal for audiophile mastering and PA purposes. There are 4 concurrently selectable EQ modules (31-band graphic EQ, 10-band parametric EQ, Feedback Destroyer and three <u>dynamic</u> EQs per channel).

How to reset the DEQ2496 to Factory Default condition:
- Hold down the MEMORY and COMPARE buttons while powering up the DEQ2496
- Press the B button to confirm the reset

Accessing the AUTO-EQ function:
- Press the RTA button several times until page 1 of the RTA menu is displayed
- Press the B button (next to the "AUTO EQ" indicator in the left-hand side of the display)
- Turning the Data Wheels will now adjust the target EQ curve that you want to achieve
- Press the PAGE button to advance to page 2 of the AEQ menu
- Press the A button (next to the "START AUTOEQ" indicator in the left-hand side of the display) to start the Auto-EQ process
- Press the A button again to stop the process
- Page the PAGE button to advance to page 3 of the AEQ menu
- Press the B button (next to the "DONE" indicator in the left-hand side of the display) to exit Auto-EQ mode

Using the Graphic Equalizer function on the DEQ2496:
- Press the GEQ button to display the GEQ menu
- Turn the small Upper Data Wheel to select the frequency to work with
- Turn the small Lower Data Wheel to select the bandwidth you want to affect
- Turn the Large Data Wheel to adjust the GAIN of the frequency
- For each control you will see visual feedback from the curve in the middle of the display and the numbers on the right of the display

Using the Parametric Equalizer function on the DEQ2496:
- Press the PEQ button several times to display page 1 of the PEQ menu
- Turn the mall Upper Data Wheel to select the frequency to work with
- Turn the small Lower Data Wheel to select the bandwidth you want to affect
- Turn the large Data Wheel to adjust the GAIN of the frequency
- For each control you will see visual feedback from the curve in the middle of the display and the numbers on the right of the display

Accessing the Limiter function on the DEQ2496:
- power-up the DEQ2496
- press the DYN button several times until PAGE 2 of the DYN menu is displayed
- press the B button (next to the "LIMITER" indicator in the left-hand side of the display)
- use the Data Wheels to the right of the display to adjust the parameters

Accessing the Compressor/Expander function on the DEQ2496:
- press the DYN button several times until PAGE 1 of the DYN menu is displayed
- press the B button to switch between expander and compressor functions
- use the Data Wheels to the right of the display to adjust the parameters

Accessing the Stereo Imager function on the DEQ2496:
- press the WIDTH button several times until PAGE 1 of the WIDTH menu is displayed
- use the Data Wheels to the right of the display to adjust the parameters

Accessing the Stereo Delay for delay line applications on the DEQ2496:
- press the I/O button several times until PAGE 4 of the I/O menu is displayed
- use the Data Wheels to the right of the display to adjust the parameters

Accessing the different Metering displays on the DEQ2496:
- Press the METER button
- Press the METER button or the PAGE button to cycle through the three different meters (peak/RMS, SPL, VU)

Using the Module Bypass function on the DEQ2496:
- Press the BYP button
- Use the Large Data Wheel to select a module to bypass
- Press the B button to bypass the module
- Pressing the B button again will re-enable that module

BEHRINGER DCX2496 QUICK START GUIDE

The ULTRADRIVE PRO DCX2496 is _the_ ultimate digital loudspeaker management system with an unheard-of audio quality and feature list. It is an indispensable tool for the precise set-up of multiple loudspeaker systems or arrays. Installation contractors, live-sound engineers, cinemas/discotheques/concert hall operators will quickly learn to love this model's rich features. Signals can be split in various ways to assure precise sound by using the optimal frequency range of each loudspeaker.

FACTORY RESET PROCEDURE
- With the DCX2496 powered off, press and hold both PAGE keys and power up the unit.
- At the prompt, press OK. The display defaults to the ROUTING page

All functions or menus start out with the INPUT/OUTPUT routing page. The ROUTING page shows which input the signal is coming into, which output it's routed to, and the crossover points for those outputs (indicated as CONFIG). The CONFIG is usually described by L (low), M (medium), H (high).

SETUP CONFIGURATION: Sets up the unit's global configuration and operating preferences.
- SETUP IN/OUT - Sets up the unit for output configuration, stereo linking
- SETUP DELAY CORRECTION/AUTO ALIGN - Sets up the auto align feature and delay correction
    - For AUTO ALIGN, press OK to continue
    - Unmute all outputs to auto-align
    - Adjust noise level.
- SETUP/COPY – Copies settings from one output to another
- PAGE LOCK – Password protects a specific page. Press the JOG WHEEL to turn on and enter a password
- GLOBAL LOCK – Password protects the entire unit. Press the JOG WHEEL to turn on and enter a password
- MISCELLANEOUS – Various settings for MIDI, contrast adjustment, and other preferences. Use the parameter key to select parameter, use the JOG WHEEL to edit parameter, press PARAMETER key to move to the next one.

RECALL KEY
Recalls preprogrammed settings, also loads settings stored in PMCIA card. This is the best way to change settings quickly for various "standard" configurations.
- Use the JOG WHEEL to select INT (internal) or CARD (PMCIA card)
- Press the PARAMETER keys to select a preset configuration
- Press OK key to change, CANCEL key to cancel

SUM KEY
- Sets up the inputs in SUM (combined), all adjustments such as delay, EQ, and dynamic eq are available and applicable to the summed inputs.

INPUTS CONFIGURATION
By selecting the input configuration, it's possible to tailor specific settings to that input. Select the INPUT. The first page of the menu indicates where that input is routed to.
- INPUT GAIN ADJUSTMENT – Adjusts gain in dB. Use the JOG WHEEL to adjust the gain level.
- DELAY ADJUSTMENT – Adjusts the delay time for the input. Use the JOG WHEEL to turn on the DELAY, use the parameter key to select the DISTANCE/TIME parameter, and edit it using the JOG WHEEL
- EQ – Use the JOG WHEEL to turn it on. Use the parameter key to select the type of EQ, frequency, gain, and other adjustments. Use the JOG wheel to adjust, then press the parameter key to move to the next one.
- DYNAMIC EQ – Same adjustment procedure applies as above
- DYNAMIC EQ (dynamics adjustments) – Adjusts the specific dynamic adjustment of the EQ, such as threshold, ratio, attack, and release.

OUTPUTS CONFIGURATION
- GENERAL - Selects INPUT source, output gain , and names the output. Use the parameter keys to select and the JOG WHEEL to edit individual settings.
- X-OVER POINTS – Selects the crossover point and other parameters for the selected output. Use the parameter key to select, and the JOG WHEEL to edit.
- EQ – Selects the EQ parameters for the selected output. Adjust in the same fashion as the input parameters.
- DYN-EQ – Adjusts the dynamic eq parameters for the selected outputs.
- DYN-EQ DYNAMICS – Dynamic adjustment of the dynamic eq
- LIMITER – Adjusts the LIMITER settings. Select the parameter with the PARAMETER keys, use the JOG WHEEL to edit.
- POLARITY/PHASE – Sets the polarity, and selects degrees of phase
- DELAY – Sets the alignment delay between all the outputs.

MUTE CONFIGURATION
- Mutes and unmutes all outputs.
- MUTE SELECT – Selects and deselects all mute in/out. Use the parameter keys to select and select the MUTE ALL OUTS and press the OK to mute, CANCEL to unmute. also applies to muting the inputs