HELIX
RACK/CONTROL
CHEAT SHEET

Aux In
Connect an active pickup-equipped guitar or bass here

Microphone In
Plug your microphone in here for processing your vocals or recording to your computer via USB. Provides switchable 48V phantom power for studio condenser mics

Sends/Returns
Can be used as mono/stereo FX Loops for inserting external stompboxes into your tone or as additional inputs and outputs for connecting keyboards, drum machines, mixers, other modelers, and more

XLR Outs
Use balanced XLR cables to connect to studio monitors or the house mixer or PA when playing live; for mono signals connect only the left XLR out

1/4" Outs
Use 1/4" cables to connect to your guitar amp, pedals, powered speakers, or other playback system; for mono signals connect only the left 1/4" out

Guitar Thru
Passes the signal received at the front panel Guitar In with no A/D/A conversion

Host
Connect Helix Control to Helix Rack via a Cat 5 (included with Helix Control) or Ethercon cable

Ext Amp Out 1/2
Connect to your traditional amp to switch channels or turn its reverb on/off; use a TRS cable for dual operation (1=tip, 2=ring)



AC In
Connect to a grounded AC power outlet

USB
Helix can act as an 8-in/8-out 24-bit/96kHz audio interface for recording to Macs and PCs; re-amping and MIDI are provided

Helix can also record to and play back from an iPad (with camera kit)

Power
When left on, Helix Control is powered from Helix Rack

DC In
Reserved for potential future use; for very long cable lengths, use a Line 6 DC-3G adapter

USB
Reserved for potential future use

EXP 1/2/3
Connect expression pedals here; both sets are active simultaneously

CV/Expression Out
Connect to the expression pedal inputs on stompboxes or CV (Control Voltage) inputs on vintage pedals or synths

MIDI In, Out/Thru
Connect Helix to your MIDI equipment for sending and receiving program changes, continuous controllers, and other MIDI messages

Helix Control
Connect Helix Rack to Helix Control's Host port via a Cat 5 or Ethercon cable

Variax Input
This input provides power, digital audio, effects control, and instant recall between Helix and a Line 6 Variax Guitar

Digital I/O
Connect 75-ohm RCA or 110-ohm XLR cables here for digital connection with studio equipment; L6 LINK provides easy, reliable, one-cable connectivity between Helix and Line 6 StageSource monitors and/or DT series amplifiers

Select an input block and turn the joystick to set the input source. Each path can have one or two input blocks

Use the joystick or touch a switch top to select a block (outlined in white)

Move Split block down to create a duplicate input block

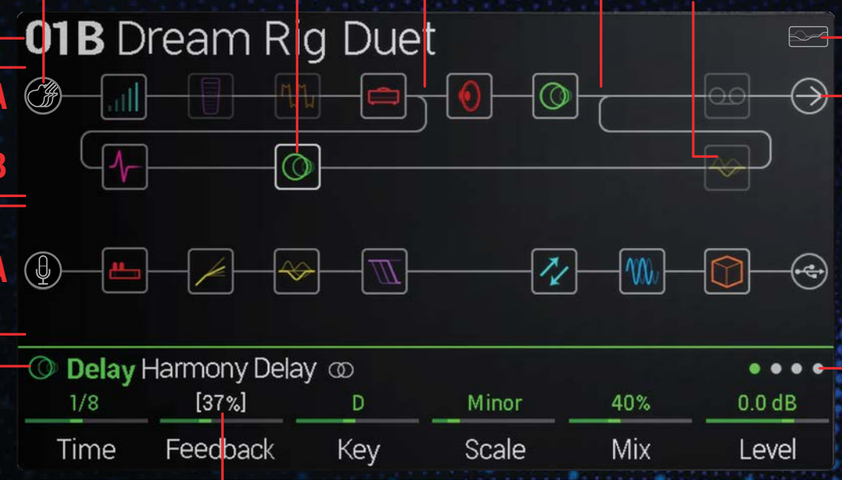
Move Merge block down to create a duplicate output block

Press BYPASS to turn block on and off (bypassed blocks appear dim)

Turn PRESET knob to select a preset

Press and hold BYPASS to turn Global EQ on (icon visible) and off

Select an output block and turn the joystick to route the signal to back panel jacks, Path 2, or your computer via USB. Each path can have one or two output blocks



Each of Helix's two signal paths can be either parallel (A and B) or serial (A only)

Model category and type of selected block; ⧉ indicates a stereo model. Turn the joystick to select a model; press the joystick to open the model list

Press ◀ PAGE ▶ to view more parameters for the selected block. This block has four pages

Value appears white and in brackets if a controller is assigned to it

Turn knobs 1-6 to adjust parameters for the selected block. Press knob to return Levels to unity (0.0dB) and Pans to center

INPUT BLOCKS
- None (Path 2 only)
- Multi (Guitar, Aux, Variax)
- Guitar
- Aux
- Variax
- Variax Magnetics
- Mic
- Return 1, 2, 3, 4, 1/2, 3/4
- Digital (S/PDIF or AES/EBU)
- USB 3/4, 5/6, 7/8

PROCESSING BLOCKS
- None
- Distortion
- Dynamics
- EQ
- Modulation
- Delay
- Reverb
- Pitch/Synth
- Filter
- Wah
- Amp+Cab
- Amp
- Preamp
- Cab
- Impulse Response
- Volume/Pan
- Send/Return
- Looper

OUTPUT BLOCKS
- Multi (1/4", XLR, Digital, USB 1/2)
- Path 2A, 2B, 2A+B (Path 1 only)
- 1/4"
- XLR
- Send 1/2, 3/4
- Digital (S/PDIF, AES/EBU, or L6 LINK)
- USB 1/2, 3/4, 5/6