

# HELIX BOARD 17

## HELIX BOARD 17 17-Input 2-Bus Mixer with USB & S/PDIF and DFX

Stereo USB connection to your computer audio editing and recording software

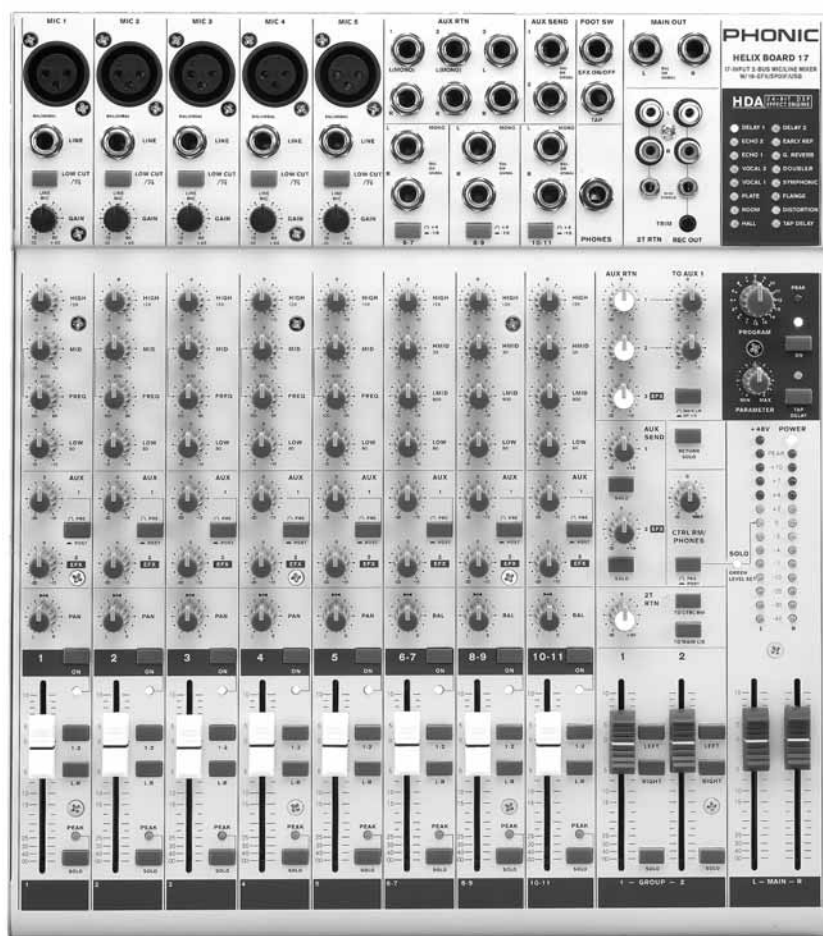
Mini stereo I/O for digital media

16 high-definition digital effects

17 inputs and two subgroups

S/PDIF output for digital recording

Rack-mounting  
kit included



### FEATURES

- ▶ Stereo USB Direct Connectivity to your computer
- ▶ 44.1 kHz S/PDIF digital output
- ▶ Five Mic/Line channels with inserts and phantom power
- ▶ Three stereo channels with 4-band EQ
- ▶ 3-band EQ with swept mid-range plus low cut on each mono channel
- ▶ Pre-fader solo for easy level-setting
- ▶ Two AUX Sends, one with Pre/Post switch
- ▶ Three Stereo AUX returns; two with EFX to monitor level control
- ▶ Two true subgroups with Main L and R routing switches
- ▶ Rec out with trim control for record level matching
- ▶ Mini Stereo I/O for digital media
- ▶ Rec out with trim control for recording level matching
- ▶ DFX, our 24-bit digital multi-effect processor with 16 programs plus one main parameter control, tap control and foot switch jack
- ▶ Built-in switching power supply with universal connector: 100-240VAC, 50/60 Hz

Get a quality front-end for your computer. Phonic Helix Board mixers are the newest experience in affordable digital-enabled mixers. Connect a Helix Board to your computer's USB port to get live, CD-quality sound (16-bit stereo with 44.1 kHz sampling rate). Use it to record directly to your computer or edit on the mixer before recording. Helix Board mixers assure perfect audio quality when recording by allowing you to edit previously recorded wave files with any software, equalizer or compressor, and monitor the mix through your headphones before returning the signal to your mixer via the tape inputs for recording. The Helix Board 17 is a 17-Input compact mixer with five Mic/Line input channels, three paired stereo input channels and three stereo AUX returns. A S/PDIF output is incorporated into the mixer for connection to a variety of digital audio devices. It also has main XLR and 1/4" outputs, two AUX sends, control room outs, and stereo RCA and mini stereo input/output jacks with trim control for level matching while recording. Helix Board mixers are compatible with most PC or Mac computers and no drivers are required. Combine the digital audio capabilities of Helix Board mixers with audio workstation software, and there's no limit to what you can do.

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## Specifications

Inputs	
Total channels	8
Balanced Mono Mic/Line channel	5
Balanced Stereo Line Channel	3
Aux return	3 stereo
2T input	1, mini stereo and stereo RCA
Outputs	
Main L/R stereo	2 x XLR & 2 x 1/4" TRS, Bal.
Rec out with trim control	1, mini stereo and stereo RCA
CTRL RM L/R	2x 1/4" TS
Phones	1
S/PDIF digital output	16-bit, 44.1 kHz
<b>USB Port</b>	Stereo input and output, 16-bit / 44.1 kHz
Channel Strips	
Aux send	2
Pan/Balance control	Yes
Volume Controls	60mm fader
Master Section	
Aux send masters	2
Master aux send solo	2
Stereo aux returns	3
Aux return assign to subgroup	1
Effects return to monitor	2
Global AFL/PFL solo mode	Yes
Phones Level Control	Yes
Faders	2 subgroups, Main L & R
Metering	
Number of channels	2
Segments	13
Phantom Power Supply	
Switches	Master
<b>Effect processor</b>	16 effects with one main parameter control, tap delay control, foot switch (effect on/off, tap)
Frequency Response (Mic input to any output)	
20Hz ~ 60KHz	+0/-1 dB

20Hz ~ 100KHz	+0/-3 dB
<b>Crosstalk (1KHz @ 0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs)</b>	
Channel fader down, other channels at unity	<-90dB
<b>Noise (20Hz~20KHz; measured at main output, Channels 1-4 unit gain; EQ flat; all channels on main mix; channels 1/3 as far left as possible, channels 2/4 as far right as possible. Reference=+6dBu)</b>	
Master @ unity, channel fader down	-86.5dBu
Master @ unity, channel fader @ unity	-84dBu
S/N ration, ref to +4	>90dB
<b>Microphone Preamp E.I.N. (150 ohms terminated, max gain)</b>	<-129.5dBm
<b>THD (Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs)</b>	<0.005%
<b>CMRR (1 KHz @ -60dBu, Gain at maximum)</b>	80dB
Maximum Level	
Mic preamp input	+10dBu
All other input	+22dBu
Balanced output	+28dBu
Impedance	
Mic preamp input	2 K ohms
All other input (except insert)	10 K ohms
RCA 2T output	1.1K ohms
Equalization	
Low EQ	80Hz
Mid EQ (mono channel)	100-8k Hz, sweepable
LMid EQ (stereo channel)	800Hz
HMid EQ (stereo channel)	3 kHz
Hi EQ	12 kHz
Low cut filter	75Hz(-18dB/oct)
<b>Built-in power supply</b>	100-240 VAC, 50/60 Hz
Weight	15.8 lbs (7.2 Kg)
Dimensions (WxHxD)	11.8" x 3.5" x 13.4" (300 x 89 x 340 mm)



Back Panel



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