

PHONIC

# AUDIOVISUAL MIXER

## V HYBRID MIXER

A NEW ERA OF  
AUDIO AND VIDEO  
INTEGRATION



TURN YOUR AUDIO BROADCASTS INTO MULTI-CAMERA, FULL-SCALE VIDEO PRODUCTIONS  
LIVE STREAMED TO YOUR FAVORITE PLATFORM



## Features

- ▶ Video and audio mixing meet in perfect synergy
- ▶ 2 video inputs: HDMI and 3G-SDI connectors
- ▶ Direct "loop thru" video outputs on each input for monitoring
- ▶ 3G-SDI main program output for viewing your final video mix
- ▶ USB-C virtual webcam connector for livestreaming video and audio
- ▶ Selectable video transitions (cut, dip and mix) with adjustable transition time
- ▶ Neutrik combo inputs accepting both XLR and ¼" input connectors
- ▶ Integrated Bluetooth for wireless streaming of audio from smart devices
- ▶ USB stereo audio interface for streaming audio superior to CDs
- ▶ Supports Full High Definition 1080p video up to 60fps
- ▶ SDI to HDMI adapter accessory available (sold separately)



The Phonic V Hybrid mixer supports 1080p60 video input allowing for full-HD live streams through the internet that feature your full audio mix in addition to your video content.

### V8.2 Hybrid

8 Audio, 2 Video Input Mixing Console

- ▶ 4 mono Neutrik 'combo' jacks accepting both XLR and 1/4" TRS jacks with 3-band EQ and variable compressor
- ▶ 2 stereo channels with 3-band EQ
- ▶ 20-segment LED level meter on audio section
- ▶ XLR and 1/4" balanced master output connectors
- ▶ RCA 2T RTN inputs and REC outputs
- ▶ ALT 3-4 submix for monitoring muted channels

### V16.2 Hybrid

16 Audio, 2 Video Input Mixing Console

- ▶ 8 mono Neutrik 'combo' jacks accepting both XLR and 1/4" TRS jacks with 3-band swept-mid EQ and variable compressor
- ▶ 4 stereo channels, 2 featuring XLR input connectors, with 4-band EQ
- ▶ 20-segment LED level meter on audio section
- ▶ XLR and 1/4" balanced master output connectors
- ▶ RCA 2T RTN inputs and REC outputs
- ▶ 4 subgroups with individual faders
- ▶ Two headphone outputs with selectable source monitoring







Audio Sources



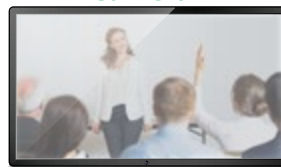
Program Viewer



Preview Monitors

Camera 1

Camera 2



Video Sources

Video Outputs

Web Streaming



Web Streaming  
(Open Broadcaster Software)

Camera 1

Camera 2



Video Sources

# Specifications

	V8.2 Hybrid	V16.2 Hybrid
Inputs		
Total Channels	8	16
Balanced Mono Mic / Line Channel	4	8
Balanced Stereo Mic/Line Channel	-	2
Balanced Stereo Line Channel	2	2
AUX Return	-	4 stereo
2T Input	Stereo RCA	Stereo RCA
Video Inputs	1 x HDMI, 1 x 3G-SDI	1 x HDMI, 1 x 3G-SDI
Outputs		
Main L/R Stereo	2 x XLR	2 x 1/4" TRS & 2 x XLR
AUX/EFX Send	2 x 1/4" TS (ALT 3-4)	4 x 1/4" TS
Rec Out	Stereo RCA	Stereo RCA
CTRL RM L/R	2 x 1/4" TS	2 x 1/4" TS
Phones	1 x 1/4" TRS	2 x 1/4" TRS
Video Outputs	HDMI, 3G-SDI (loop through), 1 x 3G-SDI Program	HDMI, 3G-SDI (loop through), 1 x 3G-SDI Program
Channel Strips		
AUX/EFX Send	2	4
Pan/Balance Control	Yes	Yes
Volume Controls	60 mm fader	60 mm fader
Inserts	-	Main
Master Section		
AUX Send Master	2	3
Master AUX Send Solo	-	3
Stereo AUX Returns	2	4
AUX Return Assign to Subgroup	1	1
Effects Return to Monitor	1	2
Phones Level Control	Yes	Yes
Main L/R Level Control	60 mm fader	60 mm fader
USB Interface		
Connector Types	Stereo In/Out + Virtual Webcam	Stereo In/Out + Virtual Webcam
Interface Bit Rate / Sampling	24-bit / 48 kHz	24-bit / 48 kHz
Bluetooth Connectivity	2.4GHz	2.4GHz
Metering		
Audio: 2 x 20, Video: 2 x 5		
Phantom Power Supply		
+48V DC		
Frequency Response (Mic input to any output)		
20Hz - 60KHz	+0/-1 dB	+0/-1 dB
20Hz - 100KHz	+0/-3 dB	+0/-3 dB
Crosstalk (1KHz @ 0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs)		
Channel fader down, other channels at unity	<-90 dB	<-90 dB
Noise (20Hz to 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)		
Master @ unity, channel fader down	-86.5 dBu	-86.5 dBu
Master @ unity, channel fader @ unity	-84 dBu	-84 dBu
S/N ratio, ref to +4	>90 dB	>90 dB
Microphone Preamp E.I.N. (150 ohms terminated, max gain)		
<-129.5 dBm		
THD (Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs)		
<0.005%		
CMRR (1 KHz @ -60dBu, Gain at max.)		
80 dB		
Maximum Level		
Mic Preamp Input	+10 dBu	+10 dBu
All Other Input	+21 dBu	+21 dBu
Balanced Output	+28 dBu	+28 dBu
Impedance		
Mic Preamp Input	2 K ohms	2 K ohms
All Other Input (except insert)	10 K ohms	10 K ohms
RCA 2T Output	1.1 K ohms	1.1 K ohms
Equalization		
3-band, +/-15 dB		
Low EQ	80 Hz	80Hz
Mid EQ	800 Hz	100-8k Hz, sweepable (Mono Channels)
Hi-Mid EQ (Stereo Channel)	-	800 Hz
Lo-Mid EQ (Stereo Channel)	-	3 kHz
Hi EQ	12 KHz	12 kHz
Low Cut Filter	-	75 Hz (-18 dB/oct)
32/40-bit Digital Effect Processor	16 EFX	16 EFX
Power Requirement (depends on region)	100VAC, 120VAC, 220 to 240VAC, 50/60Hz	100 to 240 VAC, 50/60 Hz (Internal)
Dimensions (W x H x D)	242 x 55 x 228 mm (9.5" x 2.2" x 9")	418 x 149 x 420 mm (16.5" x 5.9" x 16.5")
Weight	1.7kg (3.75 lbs)	5.9 kg (13 lbs)

# Phonic Corporation

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