

Q16FX

COMPACT 16 CHANNEL MIXER

FEATURES

- 16 Channels
- 10 Mic Inputs
- 8 Compressors
- 4 Stereo Inputs
- 3 Band EQ on all Channels
- 2 Auxes
- 16 Program DSP with Parameter Adjust
- Pan on each Channel
- 2 Sub Groups
- USB audio In/Out
- Channel Mutes
- Stereo RCA In/Out
- Stereo Monitor Out
- Stereo Balanced XLR Main Out
- Comprehensive Monitoring
- Global Phantom Power
- Solid Construction
- Internal Universal ~100-240V Power Supply for worldwide operation

APPLICATIONS

LIVE PERFORMANCE

- Small to medium venues
- Pubs
- Clubs
- Bars
- Small festivals
- Rehearsal spaces

SPEECH

- Houses of worship
- Educational spaces
- Conference spaces
- Auditoriums

RECORDING

- Music production
- Podcasting
- Voice over recording

DESCRIPTION

The Q16FX is a 16-channel analogue mixing console designed and engineered in the UK. The Q16FX consists of 16 input channels: 10 mono channels with microphone inputs utilizing low-noise microphone preamps plus a line-in option on each channel alongside 4 stereo line input channels perfect for electric pianos, synthesizers, drum machines, audio from external media players or any other line level sources.

Channels 1 to 8 feature an easy-to-use single-knob compressor giving you full control over the dynamic range of your input sources. A low cut at 75Hz plus a 3-band EQ is available on each channel allowing you to shape the tone of individual sound sources helping you to create a beautifully balanced mix.

16-high-quality DSP effects offer even more options for your audio productions with multiple reverbs, delays and echoes to choose from. The 9-band graphic EQ with feedback detection allows you to grasp the sound of your mix as a whole and adjust accordingly before sending it to front of house.

The Q16FX also offers 2 Subgroups to give you further control, allowing you to adjust the level of the channels routed to each group with ease. 2in/2out USB functionality makes the Q16FX the perfect tool for recording performances, podcasts, and music production.

All of this combined with comprehensive monitoring, 2 auxiliary sends, RCA in and out, global phantom power, pan on each channel, and a 12-point LED meter for your main mix all housed in a robust chassis make the Q16FX a complete portable powerhouse for traveling musicians and engineers alike.



SPECIFICATIONS		Q16FX
Inputs		
Mic Inputs		10x XLR CH1-12
Mic EIN		Mono Mic E.I.N. (max gain): <-126dBu (150Ω), Stereo Mic Input E.I.N. (max gain): <-124dBu (150Ω)
Input impedance		1.2kΩ
Maximum input level		14dBu in @ min gain (+7dBu for stereo mic lines)
Adjustable gain		+5dB to +45dB
CMRR		85dB
SNR		113dB
THD+N%		~0.002%
Crosstalk		-80dB
Phantom power		Global switch, +48V
Line Inputs (Mono)		8x 1/4" 6.3mm TRS CH1-8
Input impedance		10kΩ
Maximum input level		>30dBu in @ min gain
Adjustable gain		-15dB to +30dB
CMRR		60dB
SNR		100dB
THD+N%		~0.003%
Crosstalk		-80dB
Line Inputs with mic (Stereo)		2x stereo 1/4" 6.3mm TRS CH9-12
Input impedance		21.5kΩ
Maximum input level		+21dBu
Gain		-8dB to +35dB
CMRR		85dB
SNR		113dB
THD+N%		~0.0015%
Crosstalk		< -110dB
Line Inputs (Stereo)		2x stereo 1/4" 6.3mm TRS CH13-16
Input impedance		21.5kΩ
Maximum input level		+12dBu
Gain		+6dB
CMRR		75dB
SNR		114dB
THD+N%		~0.0025%
Crosstalk		< -110dB
General		
EQ		3 band (±15dB), Low 100Hz, Mid 2.5kHz, High 12kHz per channel
Low cut		75Hz cut off @ 18dB/octave (CH1-12)
Compressor		2:1 ratio, 9dB makeup gain, -8dBu input threshold (max compression, CH1-8)
Pan		per channel L/R, (0 ~ mute)
Channel controls		per channel fader (-∞ to +10dB), mute switch and indicator, peak indicator, FX and aux send levels (rotary pots)
Level controls		FX return fader (-∞ to +10dB), aux return and USB/RCA in (rotary pots)
Additional inputs		USB audio, stereo FX return, stereo Aux return, stereo RCA in
Outputs		
Main Outputs		Balanced stereo XLRs
Max output		+24dBu
Output impedance		150Ω (balanced), 75Ω (unbalanced)
THD% (+8dBu output)		~0.001%
Residual noise		10uV
Frequency response (20-20kHz)		±0.3dB
Controls		Master L+R faders (- to +10dB), solo/PFL mode select
EQ		Master 9 band graphic equalizer with feedback detect, on/off toggle

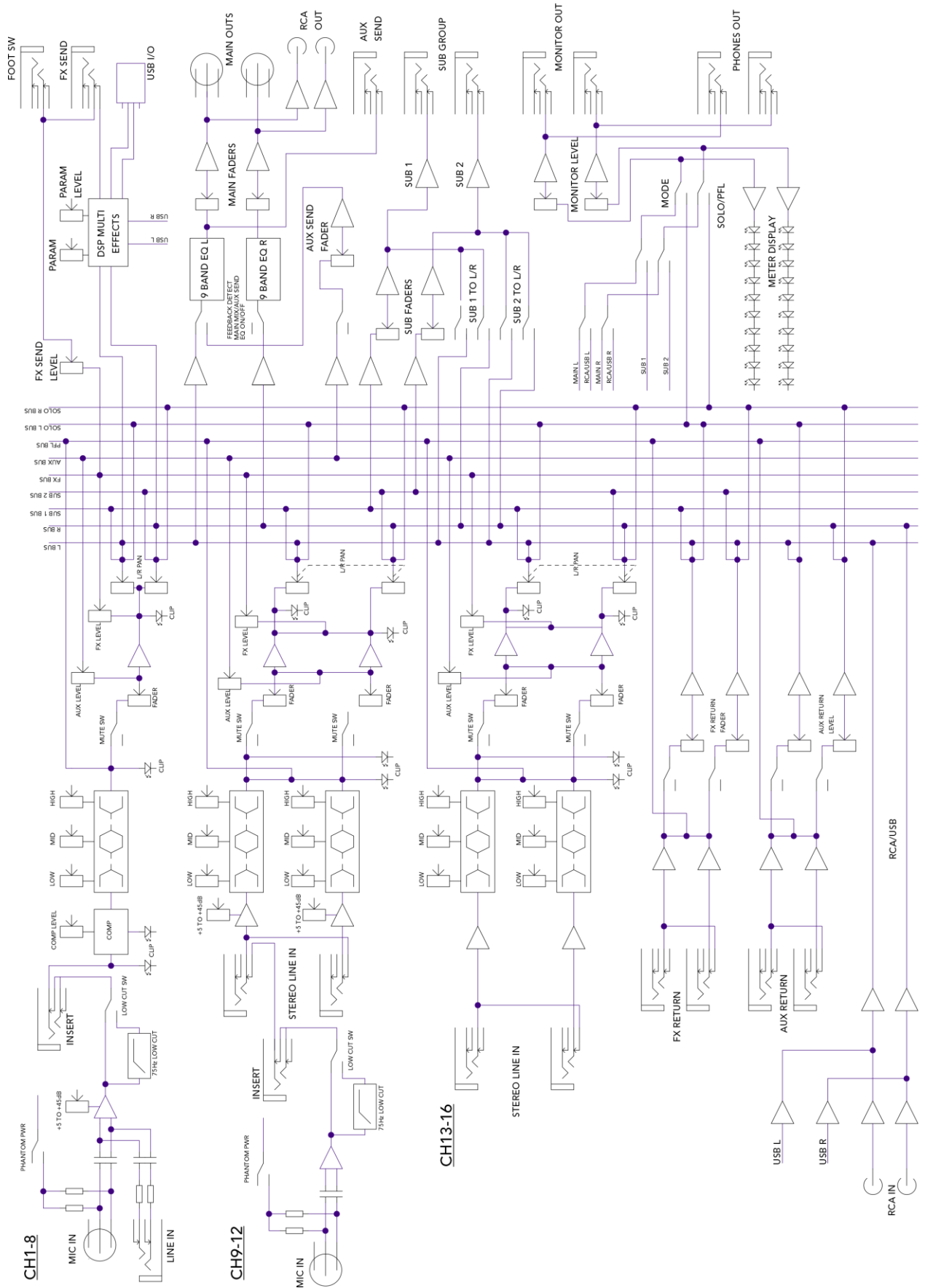


Monitors	Stereo 1/4" 6.3mm TRS sockets
Max output	+24dBu
THD% (+8dBu output)	~0.003%
Residual noise	30uV
Frequency response (20-20kHz)	±0.3dB
Controls	Rotary level pot (shared with phones out)
Sub Outputs	2x 1/4" 6.3mm TRS sockets
Max output	+24dBu
THD% (+8dBu output)	~0.001%
Residual noise	7.6uV
Frequency response (20-20kHz)	±0.05dB
Controls	Sub 1/2 faders (-∞ to +10dB), main mix L/R routing switches
FX Send	Mono 1/4" 6.3mm TRS
Max output	+24dBu
THD% (+8dBu output)	~0.0015%
Residual noise	5.7uV
Frequency response (20-20kHz)	±0.3dB
Controls	per channel level, master level (rotary pot)
Aux Send	Mono 1/4" 6.3mm TRS
Max output	+24dBu
THD% (+8dBu output)	~0.002%
Residual noise	7.5uV
Frequency response (20-20kHz)	±0.2dB
Controls	per channel level (rotary pot), master fader (-∞ to +10dB), mute switch
Phones	Mono 1/4" 6.3mm TRS
Max output	+24dBu
THD% (+8dBu output)	~0.005%
Residual noise	250uV
Frequency response (20-20kHz)	±0.2dB
Controls	Rotary level pot (shared with monitor outs)
RCA Out	Stereo phono sockets
Max output	+24dBu
THD% (+8dBu output)	~0.0015%
Residual noise	9uV
Frequency response (20-20kHz)	±0.3dB
General	
DSP FX	16 reverb and delay effects with enable switch and parameter control
USB Audio	Inputs/Outputs: 2-in, 2-out, 16-bit, 24-bit, Sampling rate: 48kHz
AC Power	Universal 100-240V~ 50/60Hz (IEC C14 Socket, AC Cord included)
Power Consumption	40W
Dimensions	
Product Dimensions (HWD)	107 x 509.5 x 443mm (4.2" x 20.1" x 17.4")
Product Weight	7.5 Kg (16.5 lbs)
Carton dimensions (HWD)	185 x 585 x 510mm (7.3" x 23" x 20.1")
Packed Weight	9.7 Kg (21.4 lbs)
Master Carton Quantity	2 pcs
Master Carton dimensions (HWD)	410 x 605 x 545mm (16.1" x 23.8" x 21.5")
Master Carton Packed Weight	22.1 Kg (48.7 lbs)
Model EAN13	5060109459043
Master EAN	5060109459050

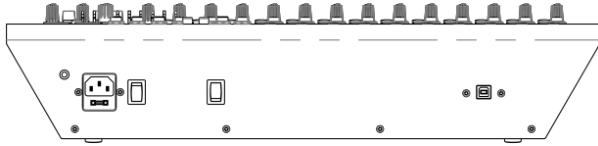
In the interest of continued development, HH reserves the right to amend product specification without prior notification.



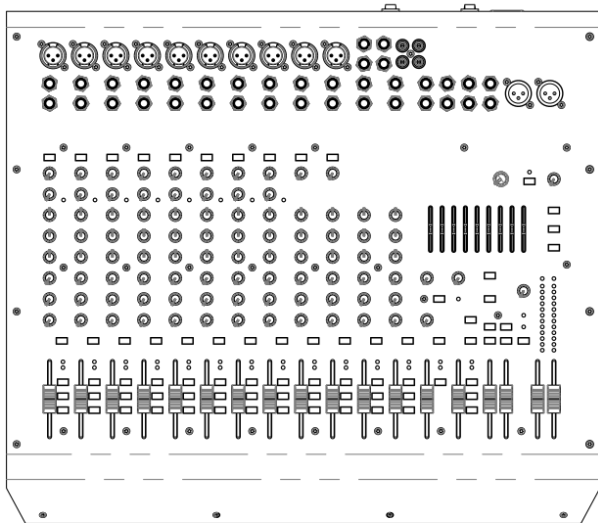
BLOCK DIAGRAM



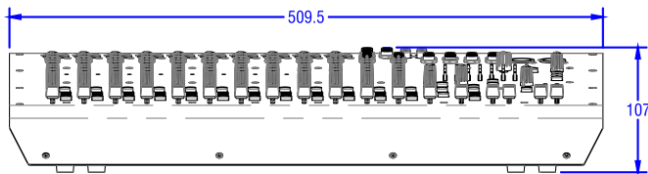
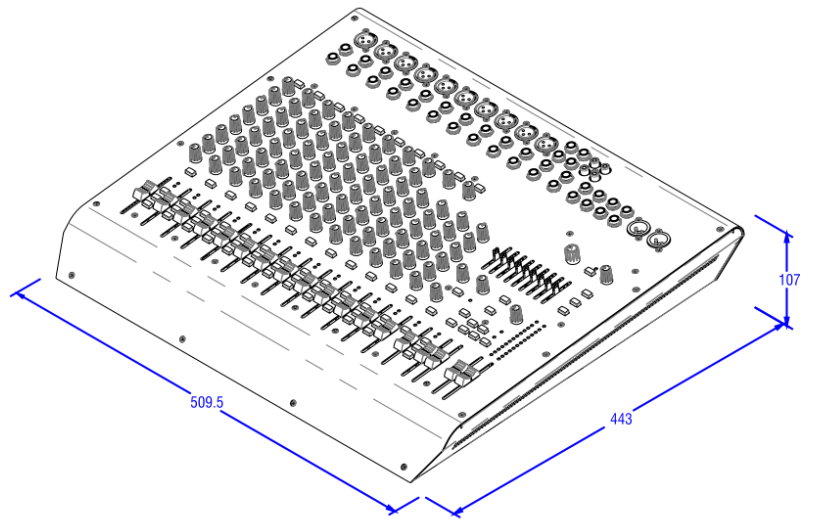
DIMENSIONS (mm)



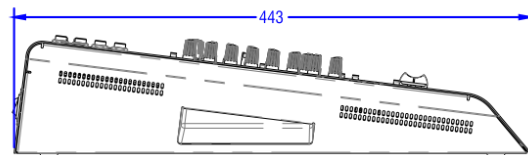
REAR



TOP



FRONT



LEFT

