

Q12FX

COMPACT 12 CHANNEL MIXER

FEATURES

- 12 Channels
- 6 Mic Inputs
- 4 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 Q12FX is a 12-channel analogue mixing console designed and engineered in the UK. The Q12FX consists of 12 input channels: 6 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 4 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 Q12FX 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 Q12FX 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 Q12FX a complete portable powerhouse for traveling musicians and engineers alike.



SPECIFICATIONS		Q12FX
Inputs		
Mic Inputs		6x XLR CH1-8
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		13dBu in @ min gain (+7dBu for stereo mic lines)
Adjustable gain		+5dB to +45dB
CMRR		80dB
SNR		113dB
THD+N%		~0.002%
Crosstalk		-80dB
Phantom power		Global switch, +48V
Line Inputs (Mono)		4x 1/4" 6.3mm TRS CH1-4
Input impedance		10kΩ
Maximum input level		>30dBu in @ min gain
Adjustable gain		-15dB to +30dB
CMRR		73dB
SNR		102dB
THD+N%		~0.002%
Crosstalk		-80dB
Line Inputs with mic (Stereo)		2x stereo 1/4" 6.3mm TRS CH5-8
Input impedance		21.5kΩ
Maximum input level		+21dBu
Gain		-8dB to +35dB
CMRR		70dB
SNR		114dB
THD+N%		~0.0015%
Crosstalk		< -110dB
Line Inputs (Stereo)		2x stereo 1/4" 6.3mm TRS CH9-12
Input impedance		21.5kΩ
Maximum input level		+12dBu
Gain		+6dB
CMRR		70dB @ 1kHz
SNR		116dB
THD+N%		~0.0025%
Crosstalk		< -110dB
General		
EQ		per channel 3 band (±15dB), Low 100Hz, Mid 2.5kHz, High 12kHz
Low cut		75Hz cut off @ 18dB/octave (CH1-8)
Compressor		2:1 ratio, 9dB makeup gain, -8dBu input threshold (max compression, CH1-4)
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

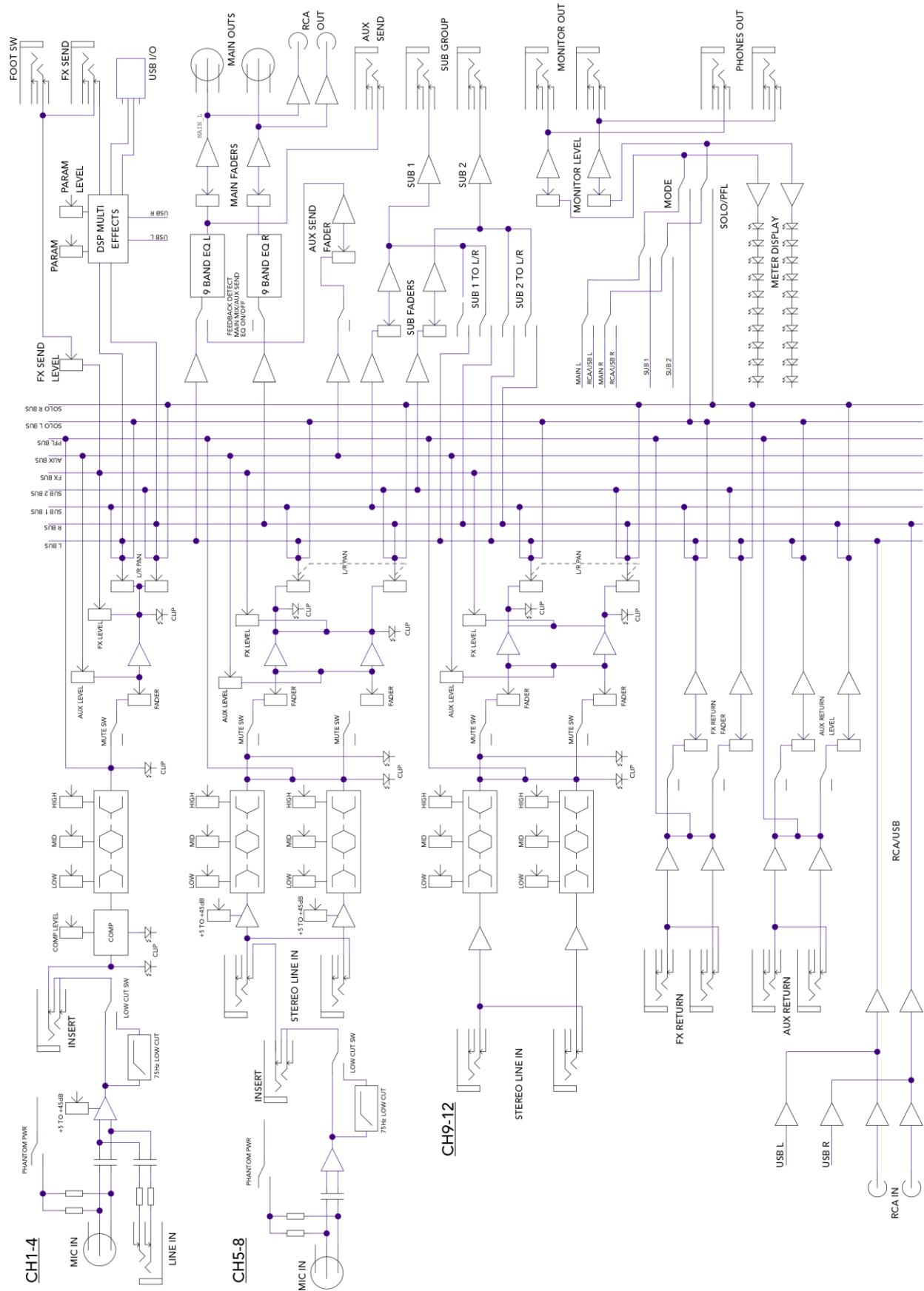


Monitors		<i>Stereo 1/4" 6.3mm TRS sockets</i>
	Max output	<i>+24dBu</i>
	THD% (+8dBu output)	<i>~0.002%</i>
	Residual noise	<i>25uV</i>
	Frequency response (20-20kHz)	<i>±0.3dB</i>
	Controls	<i>Rotary level pot (shared with phones out)</i>
Sub Outputs		<i>2x 1/4" 6.3mm TRS sockets</i>
	Max output	<i>+24dBu</i>
	THD% (+8dBu output)	<i>~0.001%</i>
	Residual noise	<i>6.6uV</i>
	Frequency response (20-20kHz)	<i>±0.05dB</i>
	Controls	<i>Sub 1/2 faders (-∞ to +10dB), main mix L/R routing switches</i>
FX Send		<i>Mono 1/4" 6.3mm TRS</i>
	Max output	<i>+24dBu</i>
	THD% (+8dBu output)	<i>~0.001%</i>
	Residual noise	<i>6.4uV</i>
	Frequency response (20-20kHz)	<i>±0.3dB</i>
	Controls	<i>per channel level, master level (rotary pot)</i>
Aux Send		<i>Mono 1/4" 6.3mm TRS</i>
	Max output	<i>+24dBu</i>
	THD% (+8dBu output)	<i>~0.06%</i>
	Residual noise	<i>6.5uV</i>
	Frequency response (20-20kHz)	<i>±0.4dB</i>
	Controls	<i>per channel level (rotary pot), master fader (-∞ to +10dB), mute switch</i>
Phones		<i>Mono 1/4" 6.3mm TRS</i>
	Max output	<i>+24dBu</i>
	THD% (+8dBu output)	<i>~0.003%</i>
	Residual noise	<i>200uV</i>
	Frequency response (20-20kHz)	<i>±0.25dB</i>
	Controls	<i>Rotary level pot (shared with monitor outs)</i>
RCA Out		<i>Stereo phono sockets</i>
	Max output	<i>+24dBu</i>
	THD% (+8dBu output)	<i>~0.0015%</i>
	Residual noise	<i>9uV</i>
	Frequency response (20-20kHz)	<i>±0.3dB</i>
General		
	DSP FX	<i>16 reverb and delay effects with enable switch and parameter control</i>
	USB Audio	<i>Inputs/Outputs: 2-in, 2-out, 16-bit, 24-bit, Sampling rate: 48kHz</i>
	AC Power	<i>Universal 100-240V~ 50/60Hz (IEC C14 Socket, AC Cord included)</i>
	Power Consumption	<i>30W</i>
Dimensions		
	Product Dimensions (HWD)	<i>107 x 401.5 x 443mm (4.2" x 15.8" x 17.4")</i>
	Product Weight	<i>6.1 Kg (13.4 lbs)</i>
	Carton dimensions (HWD)	<i>185 x 470 x 510mm (7.3" x 18.5" x 20.1")</i>
	Packed Weight	<i>8.1 Kg (17.9 lbs)</i>
	Master Carton Quantity	<i>2 pcs</i>
	Master Carton dimensions (HWD)	<i>410 x 535 x 505mm (16.1" x 21.1" x 19.9")</i>
	Master Carton Packed Weight	<i>18.6 Kg (41 lbs)</i>
	Model EAN13	<i>5060109459029</i>
	Master EAN	<i>5060109459036</i>

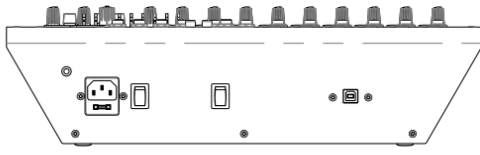
In the interest of continued development, HH reserves the right to amend product specification without prior notification.



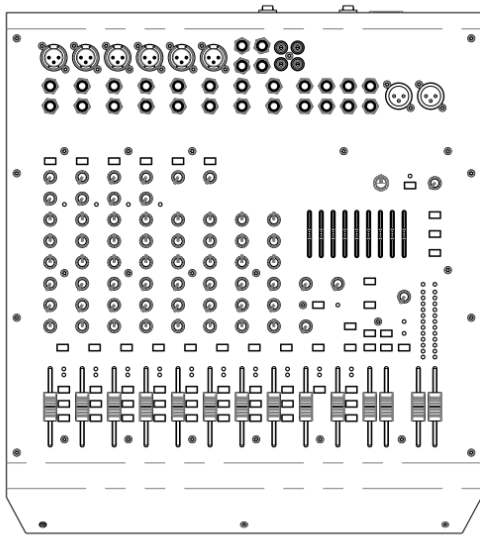
BLOCK DIAGRAM



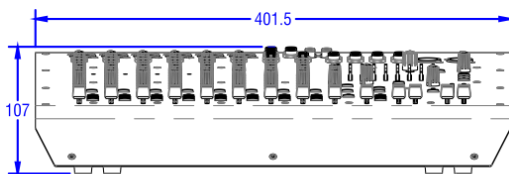
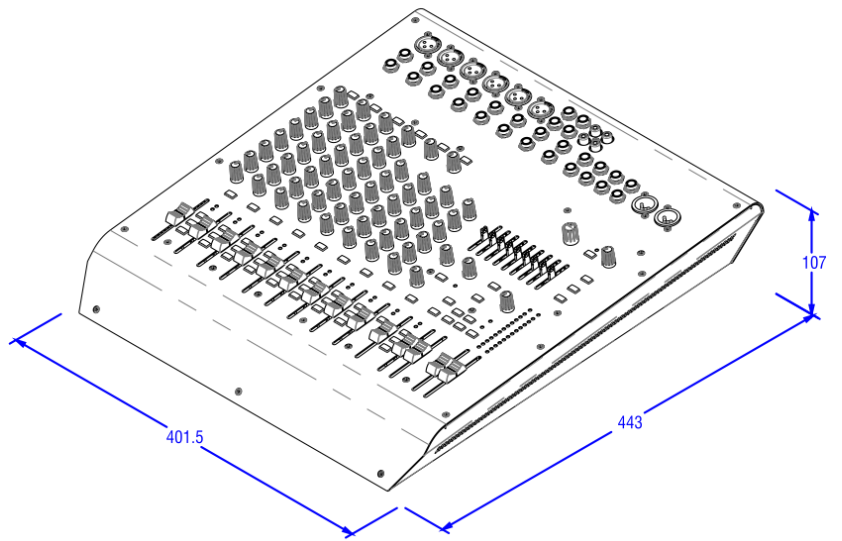
DIMENSIONS (mm)



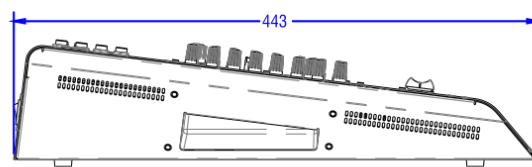
REAR



TOP



FRONT



LEFT

