

# Q8FX



# ANALOGUE MIXING CONSOLE



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## Q SERIES OVERVIEW

The Q Series brings decades of British design and engineering to your audio productions. The series consists of 4 analogue mixing consoles which cover an array of live sound applications (6 channels, 8 channels, 12 channels, and 16 channels). 2in/2out USB expands the functionality of all Q Series mixers even further making these mixers a great tool for music production and recording live performances or podcasts. The Q Series' comprehensive channel strip allows you to take complete control over the tonal shape, dynamics, and depth of your mixes with low-noise mic-preamps, 3-band EQ, single control compression, and high-quality DSP effects.



## CONTROLS OVERVIEW

### CHANNEL SECTION



#### MONO INPUTS (CH1-2)

- **MIC INPUT** - Balanced female XLR socket for low-level audio inputs typically from a microphone. Connect via a balanced cable to reduce noise, especially over long cable runs. (pin 1 = ground, pin 2 = positive signal, pin 3 = negative signal).
- **LINE INPUT** - Balanced TRS socket for mono audio inputs (for example from an audio interface). Balanced or unbalanced cables can be used, with balanced preferred to reduce noise, especially over long cable runs.
- **INSERT** - Input and/or output socket that is located post-gain and pre-EQ stage. The tip of the jack should be the send signal out of the mixer, and the ring of the jack the return signal back to the mixer. Useful for single effects, compressors, filters etc.



#### MONO/STEREO INPUTS (CH3-6)

- **MIC INPUT** - The same as the mono input mics. A female balanced XLR socket preferably used with a balanced cable. (pin 1 = ground, pin 2 = positive signal, pin 3 = negative signal).
- **L+R INPUTS** - Stereo TRS balanced inputs used for line level signals. If using a mono input, connect only to the Left socket and the signal will play through both channels.

**NOTE: Do not use the MIC and LINE input sockets on a single channel. This applies for both mono and stereo channels.**

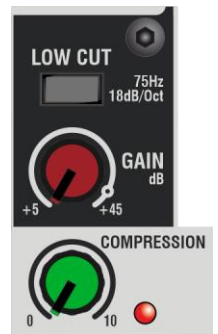
## STEREO INPUTS (CH7-8)

- **L+R INPUTS** - Stereo TRS balanced inputs used for line level inputs. These channels have no gain control or compressor. The input gain is fixed to +6dB.



## PRE-EQ CONTROLS (CH1-6)

- **LOW CUT** - Apply a high pass filter with 18dB/octave roll off to the channel's MIC input only. Frequencies below 75Hz will be attenuated.
- **GAIN CONTROL** - Adjusts the input gain of the channel. Ranges from +5 to +45dB, however stereo channels are padded down to -15 to +30dB.
- **COMPRESSOR (CH1-2 only)** - Increasing the compression will decrease the threshold and increase the ratio and makeup gain. The led will illuminate when compression is applied to the signal.
  - **Ratio** - 1:1 to 2:1
  - **Makeup Gain** - 0dB to 9dB



## EQ SECTION

- **HIGH** - Shelving filter at 12kHz - increase/decrease the high frequencies by +/- 15dB.
- **MID** - Peaking filter at 2.5kHz - increase/decrease the mid frequencies here by +/- 15dB.
- **LOW** - Shelving filter at 100Hz - increase/decrease the low frequencies here by +/- 15dB.



## FX/AUX, PAN AND LEVEL CONTROLS

- **AUX/FX LEVELS** - Control the level of the signal being sent to the FX/AUX send. The FX/AUX bus is post-channel fader.
- **L/R PAN** - Controls the split of the channel between the Left and Right channels (such as the monitor and main output). Centre results in equal split, hard-left gives no output to the right channel and all to the left channel, hard-right gives no output to the left channel and all to the right channel.
- **LEVEL CONTROL** - Ranges from  $-\infty$  to +10dB gain, with markers to signify the gain level. A peak LED is situated above the control to signify when the signal is clipping at the front end.

**NOTE: When not using a channel, it is recommended to keep the level control at  $-\infty$  to keep noise to a minimum.**



## PHANTOM POWER

- **ON/OFF SWITCH** - Use this to turn on the global phantom power (+48V) to all the XLR mic inputs. Used when connecting a condenser (active) microphone. We recommend turning this on before plugging in the microphone(s). It is also advisable to mute/turn down the channel level to avoid any DC pops.





## MASTER SECTION

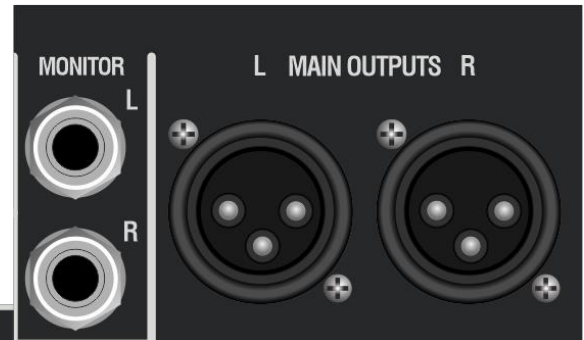
### FX/AUX LOOP AND PHONES

- **FX/AUX SEND** - Mono output for the FX/Aux bus. This output is not processed by the onboard DSP.
- **PHONES OUT** - TRS socket intended for headphones and is a stereo output sourced from the Monitor L/R outputs.
- **FX/AUX RETURN** - Provides a left and a right TRS input socket that supports balanced and unbalanced signals. For mono audio, connect the signal to the Left channel socket which will route signal to both channels.



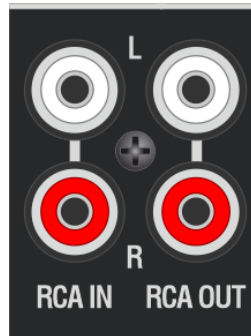
### MONITOR AND MAIN OUTPUTS

- **MONITOR OUT** - A stereo TRS output linked to the phones out.
- **MAIN OUTPUTS** - A stereo XLR output intended for balanced cable connections. Channels routed to **MAIN** will be sent here.



### RCA IN/OUT

- **RCA IN/OUT** - Provides stereo. Can be routed to Monitor/Phones



phono input and output sockets. outputs and/or the Main bus.

### AUX/FX/RCA/USB LEVELS

- **FX/AUX RETURN LEVEL** - A shared level control for the incoming signals at the FX/Aux return sockets.
- **MONITOR/PHONES LEVEL** - Controls the signal level at the monitor and phones outputs.
  - Use the Routing control button to select the source of the monitor/phones output:
    - **MAIN** bus - button not pressed.
    - **USB/RCA** bus - button pressed.
- **USB/RCA IN** - Level control for both the RCA and USB signals coming into the mixer.
  - Routing control button is used to direct the signal to the **MAIN** bus.



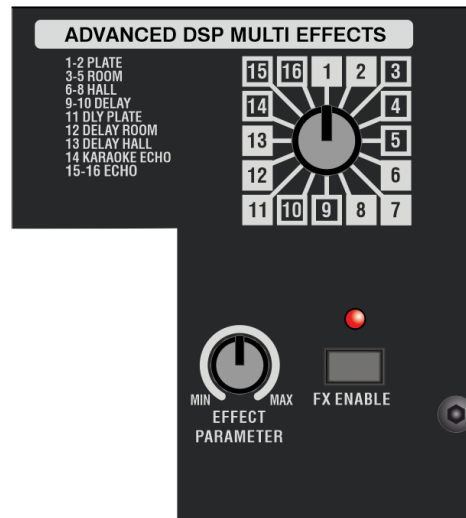


## PRIMARY OUTPUT LEVELS

- **MAIN MIX** - Single fader for L and R channels, ranging from  $-\infty$  to +10dB. Any signal directed to the **MAIN** bus will go through this fader control to the main mix XLR outputs.
- **LEVEL METER** - Represented in dB, shows the real time level of the output signal going directly to the Monitor/Phones outputs. The source of the signal depends on the settings of the MAIN TO MON, USB/RCA TO MON and USB/RCA TO MAIN switches. To avoid clipping, ensure the level doesn't reach the red peak LED. Also features LED indicators for power supply and the +48V Phantom power.

## DSP FX

- **FX SELECT** - Choose from one of the 16 effects including delays, reverbs and echoes. Applies to the FX loop signal.
- **FX ENABLE** - Enable/disable the effect selected by the FX control. Active LED to indicate whether the effect is on or off.
- **PARAMETER LEVEL** - Control the level of the effect applied to the FX loop signal. Effect level will change depending on which effect is chosen. The control will increase duration of reverb/echo or the repeat of the delay.



the



## REAR PANEL



The rear panel also shows important product safety information as well as the serial number of the mixer.

- **FUSED POWER SOCKET/SWITCH** - Use the switch to power on the mixer once the plug is connected to the mains. Connect the provided IEC mains plug here. The plug must be earthed and provides the safety earth to the unit. The drawer contains the main safety fuse for the unit. The fuse protects the mixer from damage in the event of a fault by disconnecting the mains power supply. **USE ONLY THE CORRECT SIZE AND RATING SPECIFIED ON THE PANEL.** If a fuse blows or fails and a replacement of the same size and rating is installed which in turn blows, the mixer has suffered a malfunction and needs immediate service from a qualified HH approved technician. **DO NOT TRY A FUSE OF HIGHER RATING** - Using a higher rated fuse may cause serious, irreparable damage or presents a serious fire hazard.
- **TYPE-B USB SOCKET** - Connect a Type-B USB cable here, then plug the other end of the cable directly into your computer to send and receive audio to and from the mixer. The Q8FX should be automatically recognised on both Windows® and MacOS® devices as a class compliant audio device and no additional drivers are required.



## INITIAL SETUP

### POWERING ON

#### INITIAL CHECK

Upon unboxing your Q8FX, check it over for any damage that may have occurred in transit.

Plan out which cables are required for your desired setup and ensure all cables are of adequate length to reach their destination.

#### PLUGGING IN

**POWER** - Check the power switch on the rear panel (next to the IEC socket), is in the off position ('1' indicates the on position). Plug in the provided IEC power cable, connecting the other end to a mains socket. The Q series mixers are universal voltage (100-240V~).

**INPUTS** - With the mixer still powered off, plug in all microphones, instruments and audio tracks to the corresponding input socket.

**OUTPUTS** - Plug in all the speakers, effects and headphones to the desired output on the mixer.

Turn down all input and output gain controls and faders on the mixer panel. To avoid any turn on pops, turn off all connected powered speakers. Ensure the +48V phantom power switch on the front panel is in the off position.

Switch on all input devices and then power on the mixer. If any XLR input devices need phantom power (such as condenser microphones), turn this on **BEFORE** the connected powered output speakers.

Finally turn on any connected output speakers.

### SIGNAL CHECK

The initial signal check will use the monitor/phones output to check each channel individually.

#### INDIVIDUAL CHANNEL CHECK

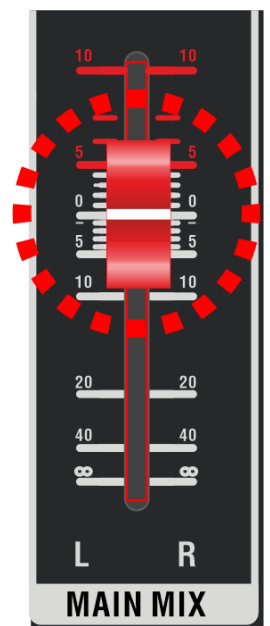
Firstly, with all channel level controls at  $-\infty$ , turn up the main mix fader to 0dB.

Individually, check the gain of each channel by turning up the corresponding channel's level control to 0dB.

Whilst playing the instrument/talking into the microphone, check for adequate sound level. If it's too low, turn up the channels gain control, alternatively reduce the source signal level or channel gain control if the level is too high. During this, make sure the peak light isn't illuminated.

When checking the next channel, turn down the level control of the previous channel to  $-\infty$  to mute it again.

**NOTE: If using one of the Stereo only channels with no gain control, perform this step via the output volume on the input device.**





## MAIN MIX CHECK

Having checked all input channels on, turn up all channel level controls back to 0 or previous position if different

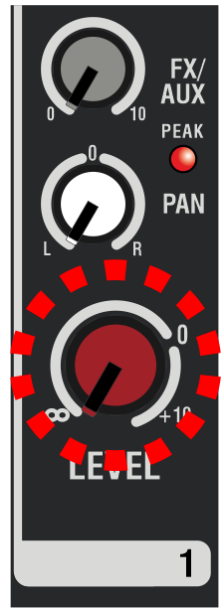
From here, you can set the desired mix level by adjusting the individual channel level controls.

Check that input peak lights aren't illuminated. If any peak lights flash periodically, turn down the channel fader slightly to avoid clipping the signal.

## TONE

From here, you are free to experiment with the mix and adjust the tone for each channel.

Adjust the EQ and compressor settings to get the sound you want. Simply repeat the [Individual channel check](#) above to hear each channel in isolation.

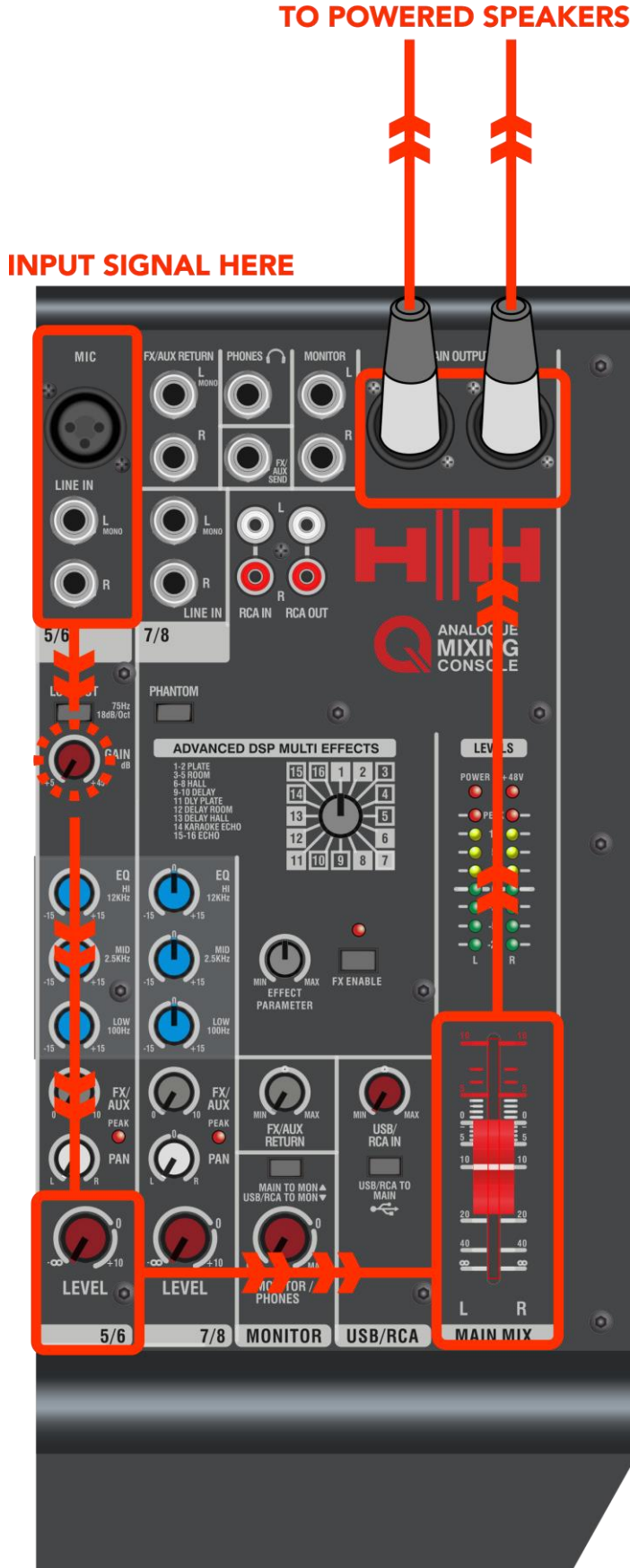


The next section will run through the basic steps of getting a channel's input to each output in turn.



# SIGNAL FLOW

## SIGNAL TO THE MAIN OUTPUTS



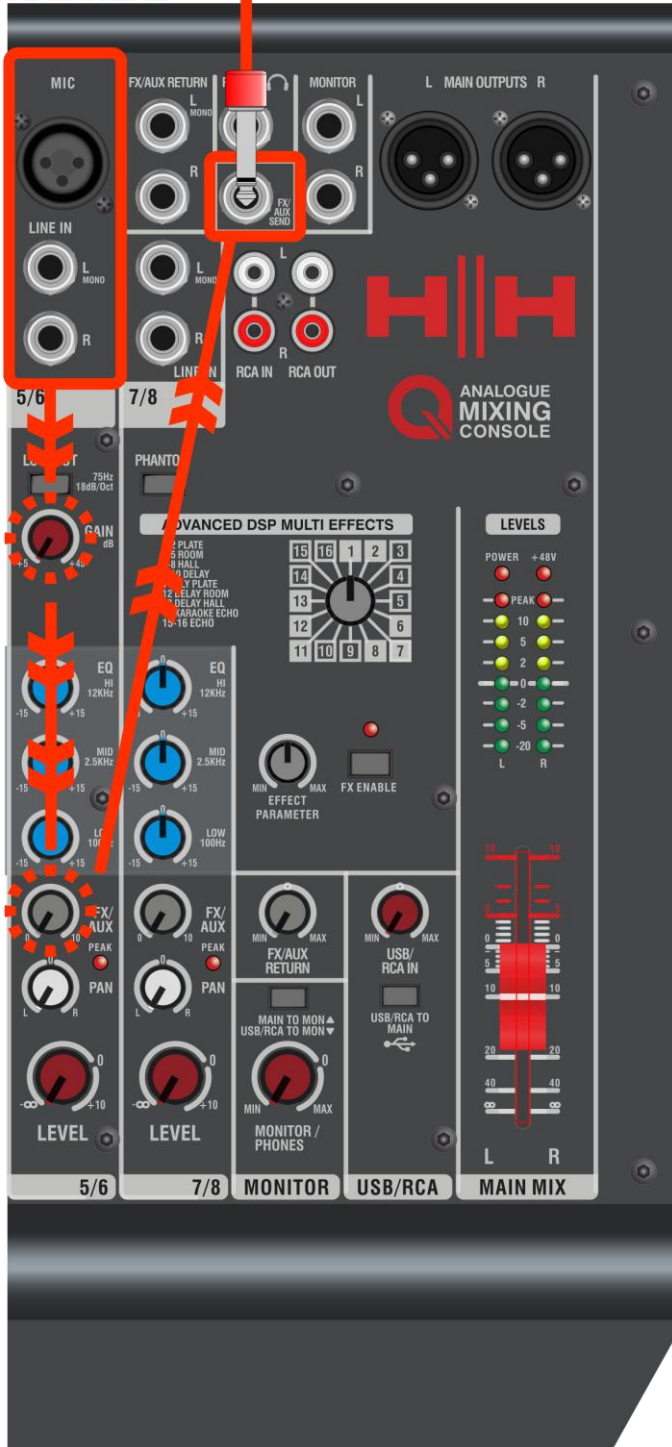
- Adjust the gain control to avoid peak LEDs coming on.
- Adjust the channel Level control.
- Turn up the stereo Main Mix faders.
- Connect balanced XLR cables to the Main Output sockets.



## SIGNAL TO THE FX AND AUX END

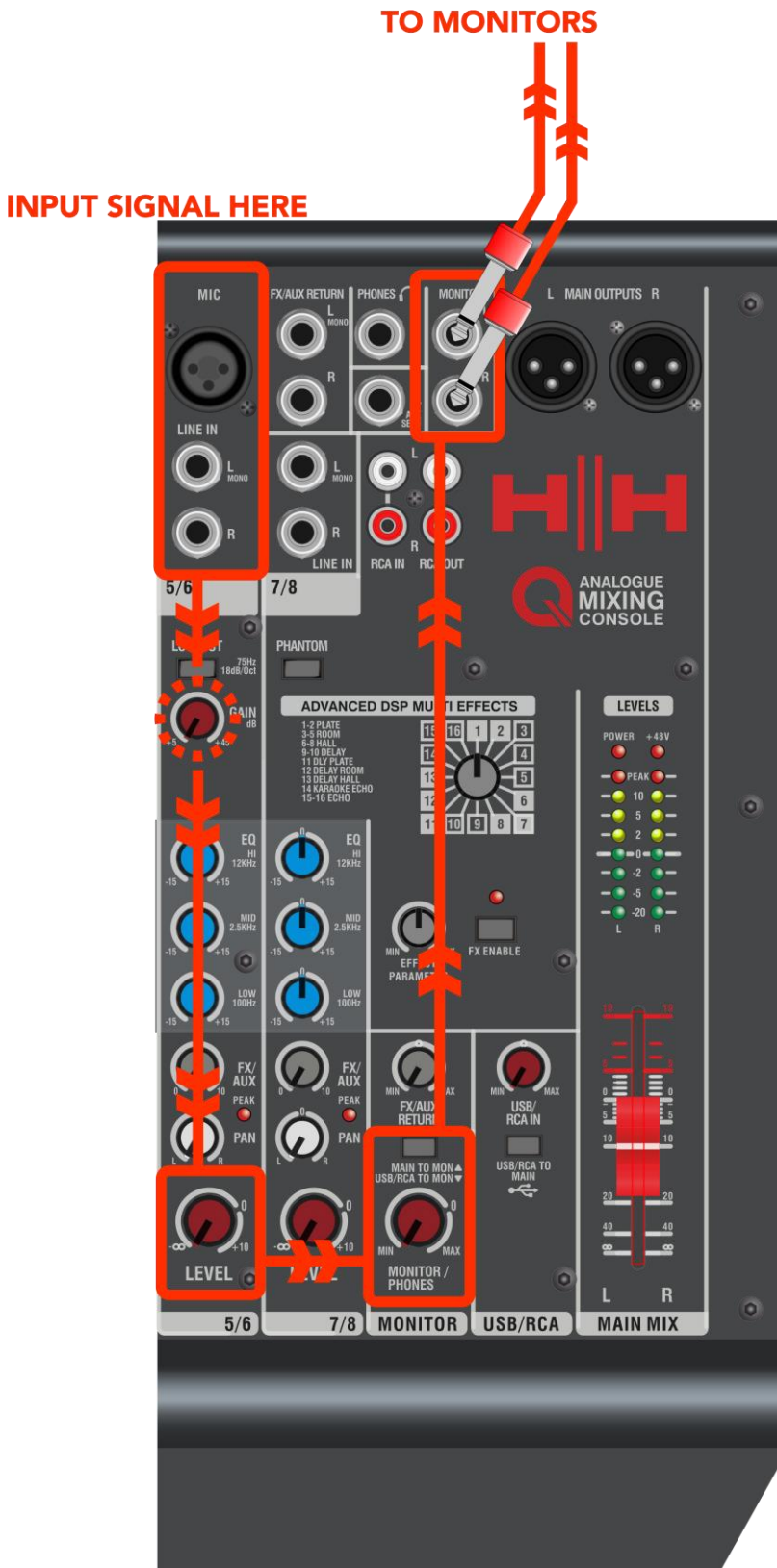
### EFFECTS UNIT

### INPUT SIGNAL HERE



- Adjust channel gain control.
- Turn up FX/Aux level control on the channel.

### SIGNAL TO THE MONITOR OUTPUTS



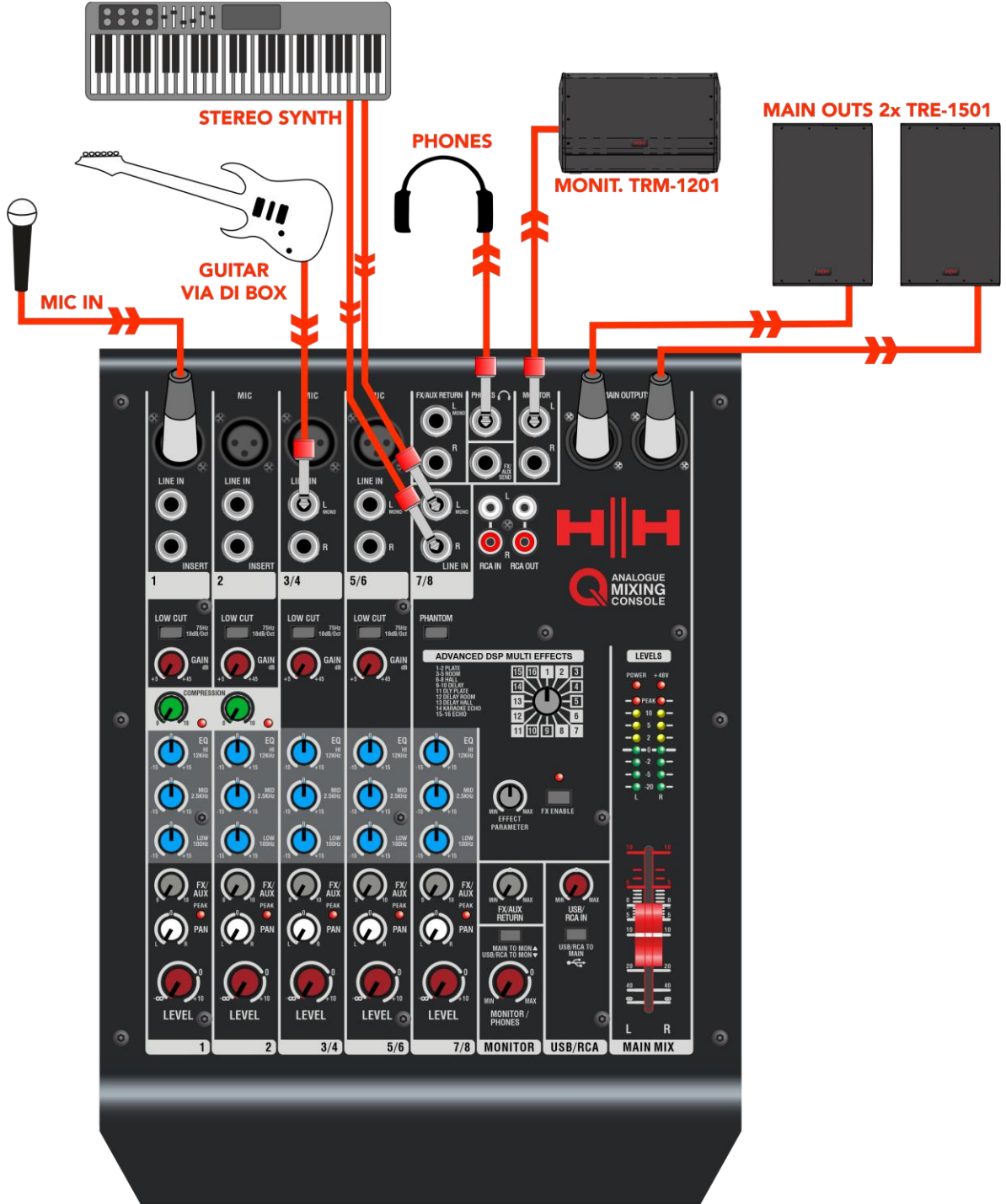
- Adjust channel Gain control.
- Adjust channel Level control to desired level.
- Adjust the Monitor/Phones Level control to the desired level. Keep the routing button to "MAIN TO MON" (button released).
- Signal will output from Monitor L+R.
- Can also listen to same output signal from Phones out socket.



# CONNECTIONS

## EXAMPLE SETUPS

### LIVE PERFORMANCE





## CONNECTING THE USB

Q series mixers feature a type-B USB socket situated on the rear panel for 2 channel in and 2 channel out audio streaming.

Simply plug the mixer directly into your computer/laptop to start transferring audio between the two devices. The device will appear as 'Q Series Audio Mixer' in the device manager.

## STREAMING AUDIO TO THE Q8FX

To stream audio to the mixer, load up your chosen media player on the connected computer and ensure the levels on there are high enough. Select "HH Q Series" as your computer's audio output.

Check audio on the media player isn't muted as well as the overall Volume Mixer for all applications.

Audio will enter the mixer on the USB/RCA bus, so use the RCA/USB IN gain control shown on the right to increase the level of the incoming USB audio.

The RCA/USB audio bus can be routed to the MAIN bus via the button highlighted on the right.

The USB/RCA can also be routed to the Monitor/Phones outputs when the button highlighted on the right is pressed in.

## RECORDING AUDIO FROM THE Q8FX

To begin recording using the Q8FX with your chosen digital audio workstation (DAW), ensure that "HH Q Series" is selected as the audio input device within the audio preferences/settings menu of your DAW. No additional drivers are required to use the Q8FX with your DAW.

Once "HH Q Series" has been selected as your audio input device, create 2 audio tracks in your DAW. Then select the input source of each track. Select Input 1 on your first audio track to bring the Left channel of your mix through to your DAW. Then select Input 2 on your second audio track to bring the Right channel through. To begin recording ensure that your audio tracks are "record armed" in your DAW and the Main Mix level is set appropriately on your Q8FX. Recording both left and right signals simultaneously will give you a stereo digital recording of the mix you have dialled in on the Q8FX across 2 tracks.







## SPECIFICATIONS

SPECIFICATIONS		Q8FX
<b>Inputs</b>		
<b>Mic Inputs</b>		4x XLR CH1-6
	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	+8dBu in @ min gain (+3.5dBu for stereo mic lines)
	Adjustable gain	+5dB to +45dB
	CMRR	75dB
	SNR	110dB
	THD+N%	~0.002%
	Crosstalk	-70dB
	Phantom power	Global switch, +48V
<b>Line Inputs (Mono)</b>		2x 1/4" 6.3mm TRS CH1-2
	Input impedance	10kΩ
	Maximum input level	+27dBu in @ min gain
	Adjustable gain	-15dB to +30dB
	CMRR	53dB
	SNR	108dB
	THD+N%	~0.002%
	Crosstalk	-70dB
<b>Line Inputs with mic (Stereo)</b>		2x stereo 1/4" 6.3mm TRS CH3-6
	Input impedance	21.5kΩ
	Maximum input level	+27dBu
	Gain	-15dB to +30dB
	CMRR	90dB
	SNR	109dB
	THD+N%	~0.002%
	Crosstalk	-100dB @ 1kHz
<b>Line Inputs (Stereo)</b>		1x stereo 1/4" 6.3mm TRS CH7/8
	Input impedance	21.5kΩ
	Maximum input level	+13dBu
	Gain	+6dB
	CMRR	70dB
	SNR	111dB
	THD+N%	~0.007%
	Crosstalk	-90dB
<b>General</b>		
	EQ	3 band (±15dB), Low 100Hz, Mid 2.5kHz, High 12kHz per channel
	Low cut	75Hz cut off @ 18dB/octave (CH1-6)
	Compressor	2:1 ratio, 9dB makeup gain, -8dBu input threshold (max compression, CH1-2)
	Pan	per channel L/R, (0 ~ mute)
	Level controls	Channel level with peak indicator, FX/Aux return, USB/RCA in (rotary pots)
	Additional inputs	USB audio, stereo FX/Aux return, stereo RCA in
<b>Outputs</b>		
<b>Main Outputs</b>		Balanced stereo XLRs
	Max output	+24dBu
	Output impedance	150Ω (balanced), 75Ω (unbalanced)
	THD% (+8dBu output)	~0.001% @ 1kHz
	Residual noise	16uV
	Frequency response (20-20kHz)	±0.3dB
<b>Monitors</b>		Stereo 1/4" 6.3mm TRS sockets
	Max output	+24dBu
	THD% (+8dBu output)	~0.002%
	Residual noise	25uV
	Frequency response (20-20kHz)	±0.3dB

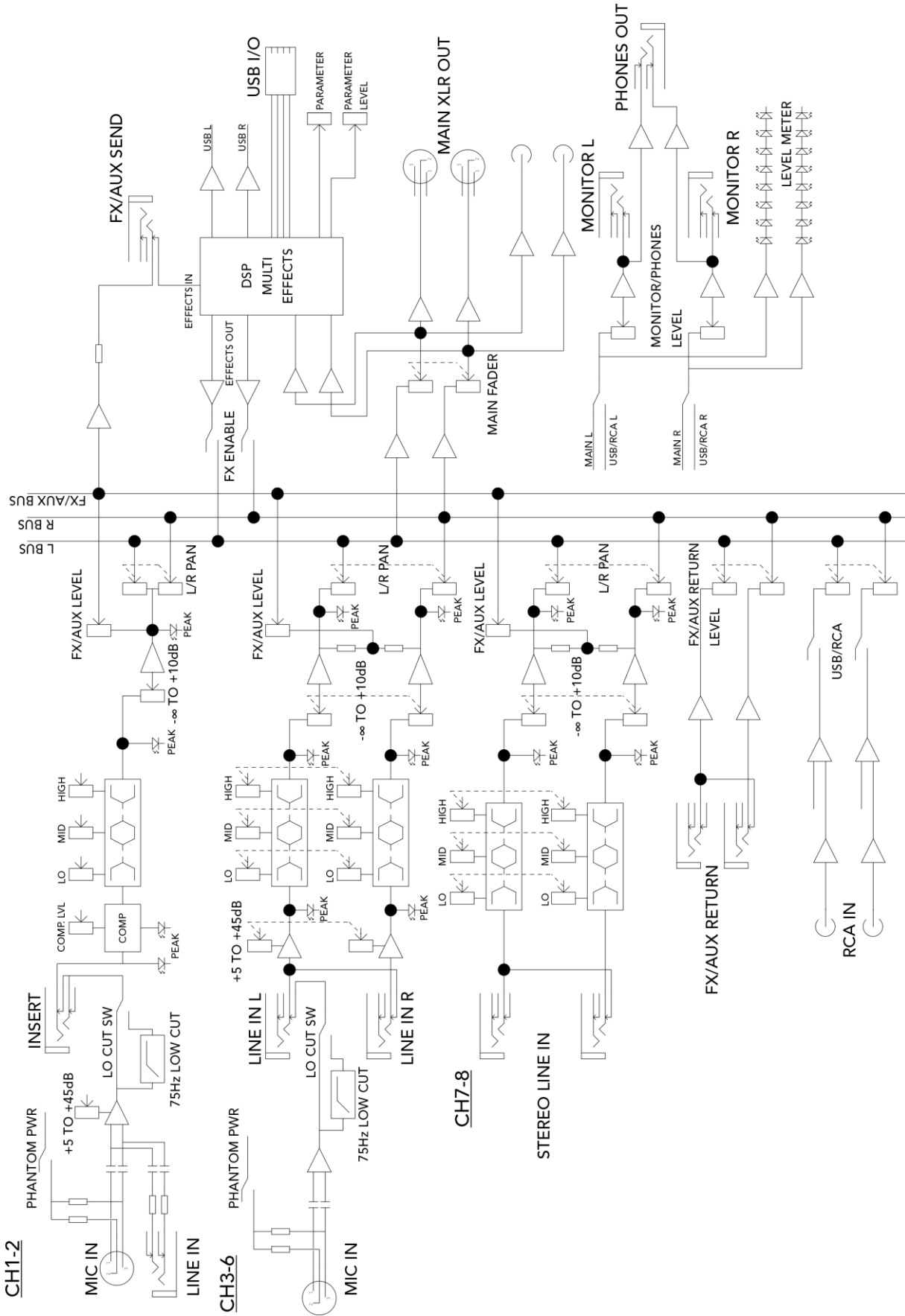


<b>FX/Aux Send</b>	<i>Mono 1/4" 6.3mm TRS</i>
Max output	+18dBu
THD% (+8dBu output)	~0.0015%
Residual noise	12uV
Frequency response (20-20kHz)	±0.3dB
<b>Phones</b>	<i>Mono 1/4" 6.3mm TRS</i>
Max output	+24dBu
THD% (+8dBu output)	~0.003%
Residual noise	300uV
Frequency response (20-20kHz)	±0.15dB
<b>RCA Out</b>	<i>Stereo phono sockets</i>
Max output	+24dBu
THD% (+8dBu output)	~0.001%
Residual noise	17uV
Frequency response (20-20kHz)	±0.3dB
<b>General</b>	
DSP FX	<i>16 reverb and delay effects with enable switch and parameter control</i>
Level controls	<i>Master fader (-∞ to +10dB), monitor/phones (rotary pot)</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	20W
<b>Dimensions</b>	
Product Dimensions (HWD)	96 x 261.5 x 351mm (3.8" x 10.3" x 13.8")
Product Weight	3.5 Kg (7.7 lbs)
Carton dimensions (HWD)	175 x 335 x 425mm (6.9" x 13.2" x 16.7")
Packed Weight	5 Kg (11 lbs)
Master Carton Quantity	4 pcs
Master Carton dimensions (HWD)	395x 700 x 455mm (15.6" x 27.6" x 17.9")
Master Carton Packed Weight	22.6 Kg (49.8 lbs)
Model EAN13	5060109459005
Master EAN	5060109459012

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

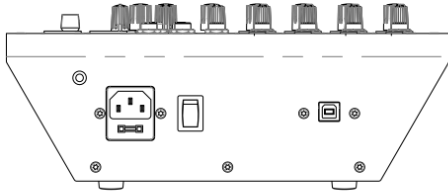


# BLOCK DIAGRAM

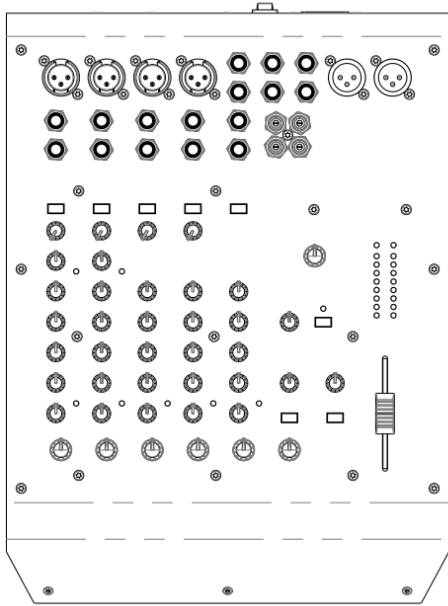




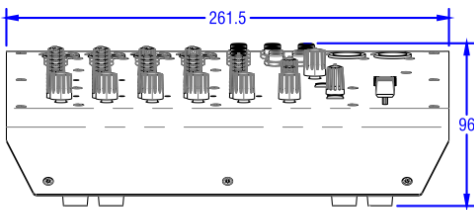
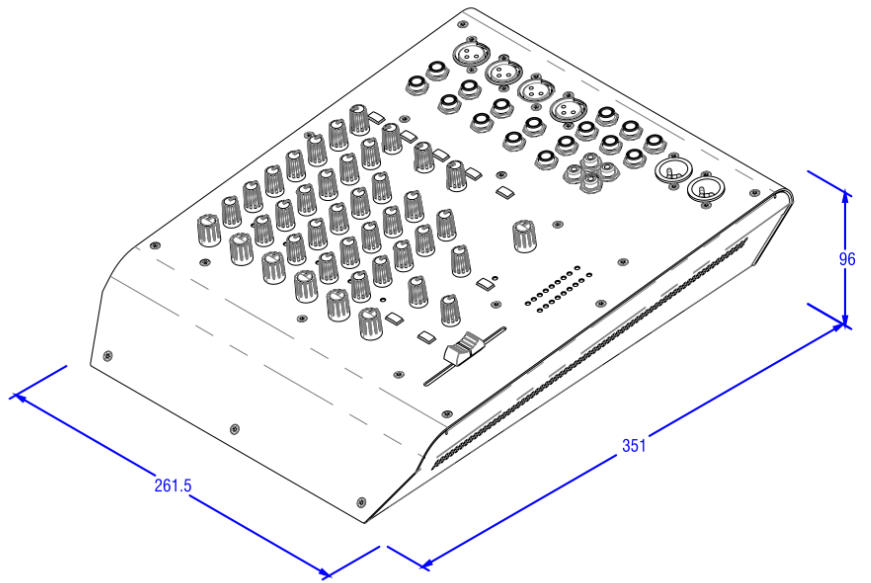
# DIMENSIONS (in mm)



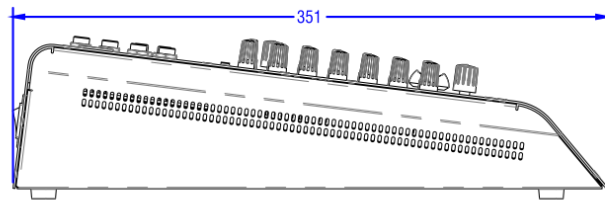
REAR



TOP



FRONT



LEFT









## SAFETY AND WARNINGS

To take full advantage of your new product and enjoy long and trouble-free performance, please read this owner's manual carefully, and keep it in a safe place for future reference.

- 1) Unpacking: On unpacking your product, please check carefully for any signs of damage that may have occurred whilst in transit from the HH factory to your dealer. In the unlikely event that there has been damage, please re-pack your unit in its original carton and consult your dealer. We strongly advise you to keep your original transit carton, since in the unlikely event that your unit should develop a fault, you will be able to return it to you dealer for rectification securely packed.
- 2) Amplifier Connection: To avoid damage, generally it is advisable to establish and follow a pattern for turning on and off your system. With all system parts connected, turn on source equipment, mixers, effects processors etc, BEFORE turning on your amplifier. Many products have large transient surges at turn on and off which can cause damage to your speakers. By turning on your amplifier LAST and making sure its level control is set to a minimum, any transients from other equipment should not reach your loudspeakers. Wait till all system parts have stabilised, usually a couple of seconds. Similarly, when turning off your system always turn down the level controls on your amplifier and then turn off its power before turning off other equipment.
- 3) Cables: Never use shielded or microphone cable for any speaker connections as this will not be substantial enough to handle the amplifier load and could cause damage to your complete system. Use good quality shielded cables everywhere else.
- 4) Servicing: The user should not attempt to service these products. Refer all servicing to qualified service personnel.
- 5) Heed all warnings.
- 6) Follow all instructions.
- 7) Do not use this apparatus near water.
- 8) Clean only with a dry cloth.
- 9) Do not block any of the ventilation openings. Install in accordance with manufacturer's instructions.
- 10) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 11) An apparatus with Class I construction shall be connected to a mains socket outlet with a protective connection. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 12) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.
- 13) Only use attachments/accessories provided by the manufacturer.
- 14) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 15) The mains plug or appliance coupler is used as the disconnect device and shall remain readily operable. The user should allow easy access to any mains plug, mains coupler and mains switch used in conjunction with this unit thus making it readily operable. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 16) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 17) Never break off the ground pin. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
- 18) If this product is to be mounted in an equipment rack, rear support should be provided.
- 19) Note for UK only: If the colours of the wires in the mains lead of this unit do not correspond with the terminals in your plug, proceed as follows:
  - o The wire that is coloured green and yellow must be connected to the terminal that is marked by the letter E, the earth symbol, coloured green or coloured green and yellow.
  - o The wire that is coloured blue must be connected to the terminal that is marked with the letter N or the colour black.
  - o The wire that is coloured brown must be connected to the terminal that is marked with the letter L or the colour red.
- 20) This electrical apparatus should not be exposed to dripping or splashing and care should be taken not to place objects containing liquids, such as vases, upon the apparatus.
- 21) Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures: According to OSHA, any exposure more than the above permissible limits could result in some hearing loss. Earplugs or protectors to the ear canals or over the ears must be worn when operating this amplification system to prevent a permanent hearing loss, if exposure is more than the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.
- 22) If your appliance features a tilting mechanism or a kickback style cabinet, please use this design feature with caution. Due to the ease with which the amplifier can be moved between straight and tilted back positions, only use the amplifier on a level, stable surface. DO NOT operate the amplifier on a desk, table, shelf or otherwise unsuitable non-stable platform.
- 23) Symbols & nomenclature used on the product and in the product manuals, intended to alert the operator to areas where extra caution may be necessary, are as follows:

Duration Per Day in Hours	Sound Level dBA, slow response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 ou inférieur	115

 <p><b>CAUTION:</b></p>	<p>Intended to alert the user to the presence of uninsulated 'Dangerous Voltage' within the products enclosure that may be sufficient to constitute a risk of electrical shock to persons.</p> <p>Ce symbole est utilisé pur indiquer a l'utilisateur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.</p> <p>Este símbolo tiene el propósito de alertar al usuario de la presencia de '(voltaje) peligroso' que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.</p> <p>Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.</p>
 <p><b>WARNING:</b></p>	<p>Intended to alert the user of the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the product.</p> <p>Destiné à alerter l'utilisateur de la présence d'instructions importantes d'exploitation et de maintenance (entretien) dans la documentation accompagnant le produit.</p> <p>Este símbolo tiene el propósito de la alertar al usuario de las presencias de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.</p> <p>Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.</p>
<p>CAUTION:</p> <p>ATTENTION :</p> <p>PRECAUCION:</p> <p>VORSICHT:</p>	<p>Risk of electrical shock - DO NOT OPEN. To reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified personnel.</p> <p>Risques de choc électrique - NE PAS OUVIRIR. Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve a l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien a un personnel qualifié.</p> <p>Riesgo de descarga eléctrica - NO ABRIR. Para reducir el riesgo de descarga eléctrica, no quite la cubierta. No hay piezas reparables por el usuario en el interior. Remita el servicio a personal calificado.</p> <p>Risiko - Elektrischer Schlag! Nicht offen! Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vor Anwender repariert werden konnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.</p>
<p>WARNING:</p> <p>ADVERTISSEMENT :</p> <p>ADVERTENCIA:</p> <p>ACHTUNG:</p>	<p>To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, please read the operating instructions for further warnings.</p> <p>Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil a la pluie ou a l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplantais situes dans le guide.</p> <p>Para evitar descargas eléctricas o peligro de incendio, no exponga este aparato a la lluvia ni a la humedad. Antes de usar este aparato, lea las instrucciones de funcionamiento para conocer más advertencias.</p> <p>Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.</p>
	<p>This device complies with Part 15 of the FCC rules Operation is subject to the following two conditions:</p> <ol style="list-style-type: none"> <li>1) This device may not cause harmful interference.</li> <li>2) This device must accept any interference received, that may cause undesired operation.</li> </ol> <p>Warning: Changes or modification to the equipment not approved by HH can void the user's authority to use the equipment.</p> <p>Note: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures. Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.</p>
	<p>This product conforms to the requirements of the following European Regulations, Directives &amp; Rules: CE Mark (93/68/EEC), Low Voltage (2014/35/EU), EMC (2014/30/EU), RoHS (2011/65/EU), ErP (2009/125/EU)</p> <p>SIMPLIFIED EU DECLARATION OF CONFORMITY</p> <p>Full text of the EU declaration of conformity is available at the following internet address:</p> <p><a href="http://support.hhelectronics.com/approvals">http://support.hhelectronics.com/approvals</a></p>
	<p>The object of the declaration described above is in conformity with the relevant statutory requirement Electrical Equipment (Safety) Regulations 2016, Electromagnetic Compatibility Regulations 2016, The Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, The Ecodesign for Energy-Related Products and Energy Information, (Amendment) (EU Exit) Regulations 2012</p>
	<p>In order to reduce environmental damage, at the end of its useful life, this product must not be disposed of along with normal household waste to landfill sites. It must be taken to an approved recycling centre according to the recommendations of the WEEE (Waste Electrical and Electronic Equipment) directive applicable in your country.</p>

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HH ELECTRONICS PART OF HEADSTOCK GROUP  
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**IN THE INTEREST OF CONTINUED DEVELOPMENT, HH RESERVES THE RIGHT TO AMEND PRODUCT SPECIFICATION  
WITHOUT PRIOR NOTIFICATION.**

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