



CONNECTTM Series

OPERATING MANUAL AND USER GUIDE



www.wharfedalepro.com

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IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

1. Read these instructions
2. Follow all instructions
3. Keep these instructions
4. Heed all warnings
5. Do not use this apparatus near water
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarised or grounding plug. A polarised plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the 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.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart and apparatus combination to avoid injury from tip-over.



13. Unplug the apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way including but not limited to power supply cord or plug damage, liquid ingress, foreign objects in the chassis, exposure to rain/moisture or impact damage. In addition the unit must be serviced when you experience any abnormal operation.
15. CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not attempt to perform any servicing other than that contained in the operating instructions unless you are qualified to do so. In addition opening the casing will result in your warranty becoming null and void.
16. Do not install this apparatus in a confined space such as a book case or similar unit. Good ventilation should be maintained around the apparatus and any vents, air-inlets or fans should not be obstructed by objects such as paper, table-cloths, curtains etc.
17. WARNING: To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture. The apparatus should not be exposed to dripping or splashing and objects filled with liquids, such as vases, should not be placed on the apparatus.
18. WARNING: The mains plug/appliance coupler is used as a disconnect device, the disconnect device shall remain readily operable.



19. - This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
 - Warning: To reduce the risk of electric shock, do not remove the cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
 - The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.
20.  (Protective earthing terminal) The apparatus should be connected to a mains socket outlet with a protective earthing connection.
21.  Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use local return and collection systems or contact the retailer where the product was purchased. They can take this product for safe environmentally friendly recycling.

INTRODUCTION

Congratulations on the purchase of your Connect Series mixer. Connect Series mixers are the result of many years of experience in the use, design and manufacture of professional audio equipment. We take great pride in engineering and building every Wharfedale Pro product and wish to thank you for entrusting us with your sound.

From the time Gilbert Briggs built his first loudspeaker in 1932, to the present day, Wharfedale have maintained the same standard of quality in components, workmanship and performance.

Please take the time to read this manual completely in order to ensure that you get the most from your Connect Series mixer.

ABOUT THE CONNECT SERIES

The Connect Series from Wharfedale Pro are high quality compact mixers that are suitable for a wide range of applications.

Professional big mixer features such as Phantom powered, balanced XLR microphone inputs give you full functionality and great sound in an ultra compact and cost effective package that is ideal for live sound, home studio recording and fixed installations. The Microphone pre-amplifiers use the same high quality components and construction methods that are employed in our flagship mixers.

All Connect Series models feature an intuitive, ergonomically designed user interface that is excellent for beginners and professionals alike. Comprehensive connectivity ensures that a Connect mixer will fit into any situation you need.

COMMON FEATURES

- **Switchable Global +48V Phantom Power**
- **Clip LED's on Mic/Line Channels**
- **Balanced XLR Mic Inputs**
- **Pan/Balance Controls On All Channels**
- **Stereo Channels with Balanced/Unbalanced 1/4" TRS Jacks**
- **Separate Main Mix and Phones Outputs with Level Controls**
- **Stereo 4 Segment LED Meters**
- **Stereo 1/8" and 1/4" Headphone Outputs**


CONNECT 502 FEATURES

- 1 Mono Mic/Line Channel and 2 Stereo Channels
- Input Gain Controls On Mic/Line Channels
- 2 Band EQ (Mono Channel Only)
- 2 Track Stereo Inputs And Outputs With $\frac{1}{8}$ " And RCA Jacks
- 2 Track Destination Switches


CONNECT 802 FEATURES

- 2 Mono Mic/Line Channels and 2 Stereo Channels
- Input Gain Controls On All Channels
- 3 Band EQ On All Channels
- 2 Track Stereo Inputs And Outputs With $\frac{1}{8}$ " And RCA Jacks
- 2 Track Destination Switches

MONO CHANNEL WALKTHROUGH

- 
1. Balanced XLR input for connecting microphones
 2. Balanced/Unbalanced TRS input for line level sources
 3. Gain control for calibrating sources and applying correct gain structure
 4. Clip LED. Shows when clipping is occurring
 5. High EQ centred at 12KHz
 6. Mid EQ centred at 1KHz (Connect 802 only)
 7. Low EQ centred at 80Hz
 8. Used to spatially place the channel within the stereo field
 9. Sets the amount of signal sent to the main output bus

STEREO CHANNEL WALKTHROUGH

- 
1. Balanced/Unbalanced TRS input for the left channel or mono line level sources
 2. Balanced/Unbalanced TRS input for the right channel of stereo line level sources
 3. Gain control for calibrating sources and applying correct gain structure (Connect 802 only)
 4. High EQ centred at 12KHz (Connect 802 only)
 5. Mid EQ centred at 1KHz (Connect 802 only)
 6. Low EQ centred at 80Hz (Connect 802 only)
 7. Used to spatially place the channel within the stereo field
 8. Sets the amount of signal sent to the main output bus

MASTER SECTION WALKTHROUGH



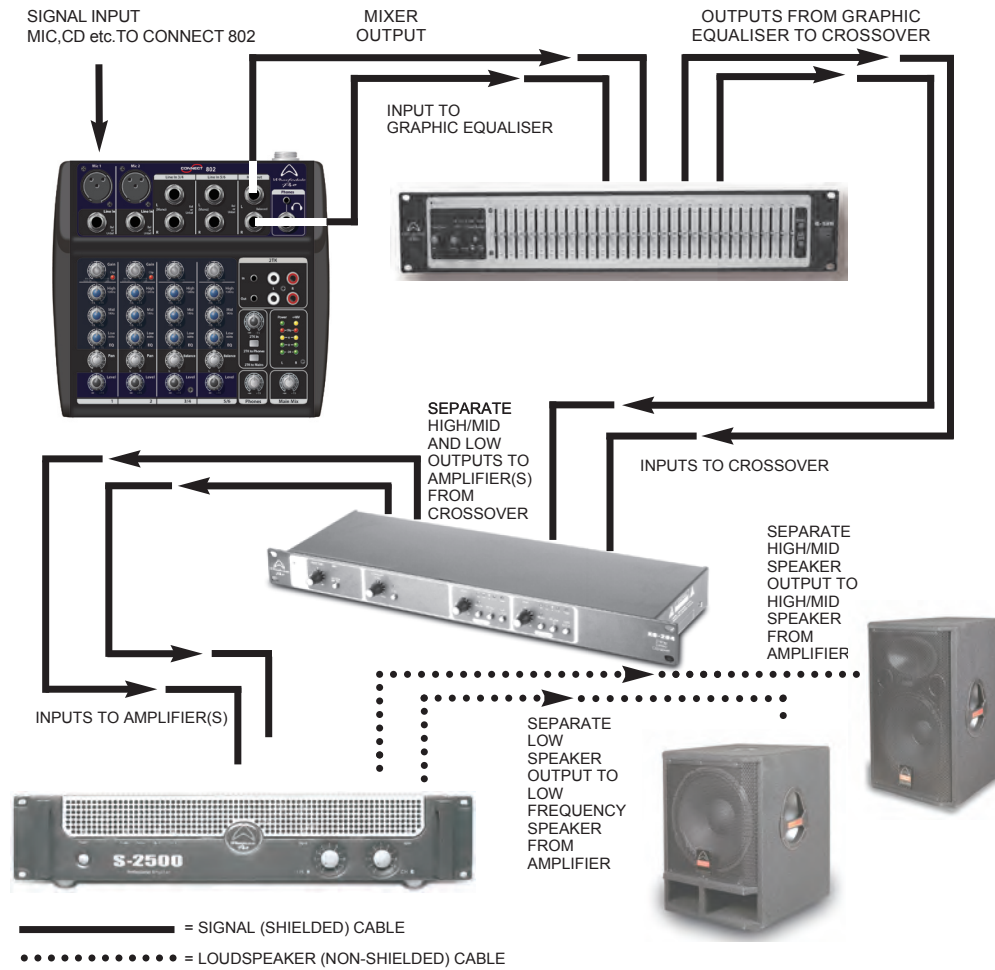
1. Balanced/unbalanced TRS main outputs
2. For connecting headphones
3. 2-Track inputs for playback devices (1/8" jack takes priority)
4. 2-Track outputs for recording devices (1/8" jack takes priority)
5. Indicates +48v phantom power activity
6. Indicates AC power supply
7. Controls the level of the 2-Track inputs
8. When depressed sends the 2-Track input to the headphone outputs
9. When depressed sends the 2-Track input to the main mix bus
10. Displays the realtime level present at the main output bus
11. Controls the level of the headphone outputs
12. Controls the master level of the main mix bus

REAR PANEL WALKTHROUGH

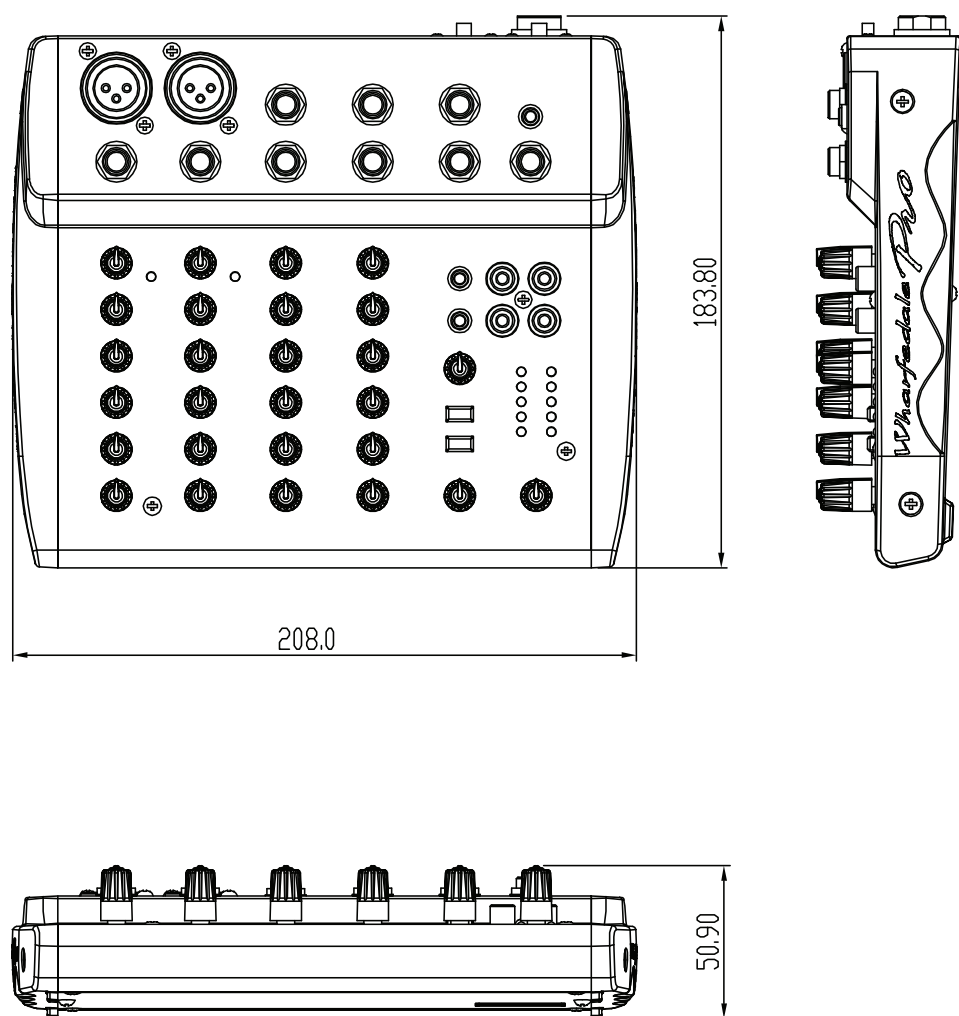


1. AC Supply input, use only the supplied Wharfedale Pro authorised power supply
2. Turns the Connect Mixer on or off
3. Switches the global +48V phantom power on or off

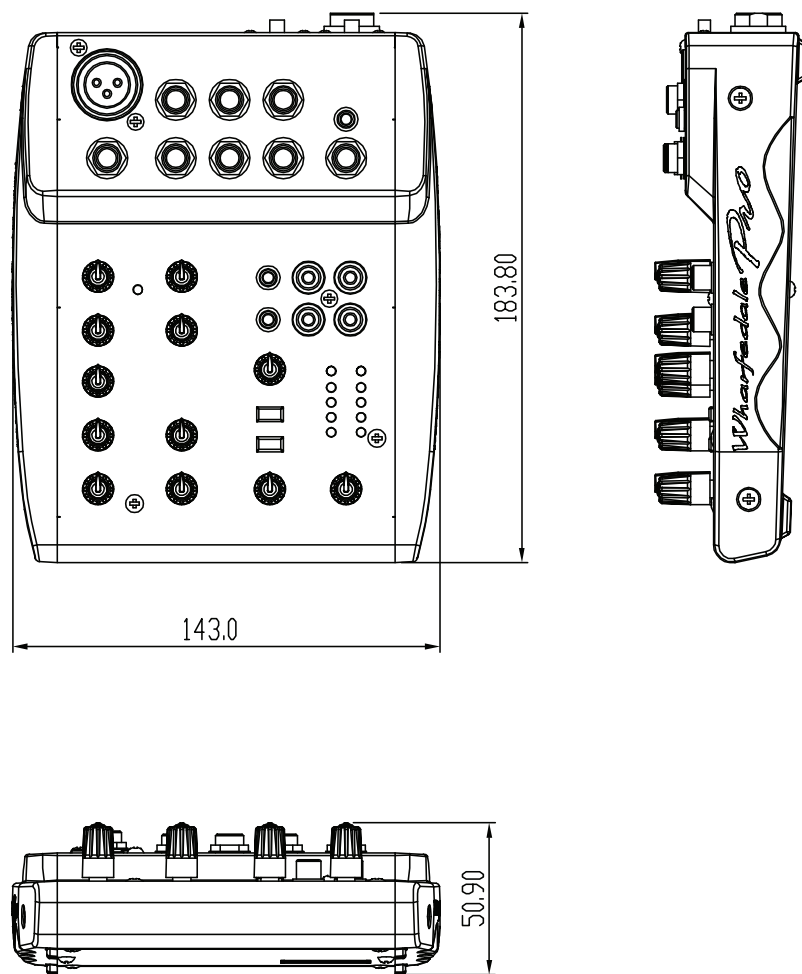
WIRING DIAGRAM



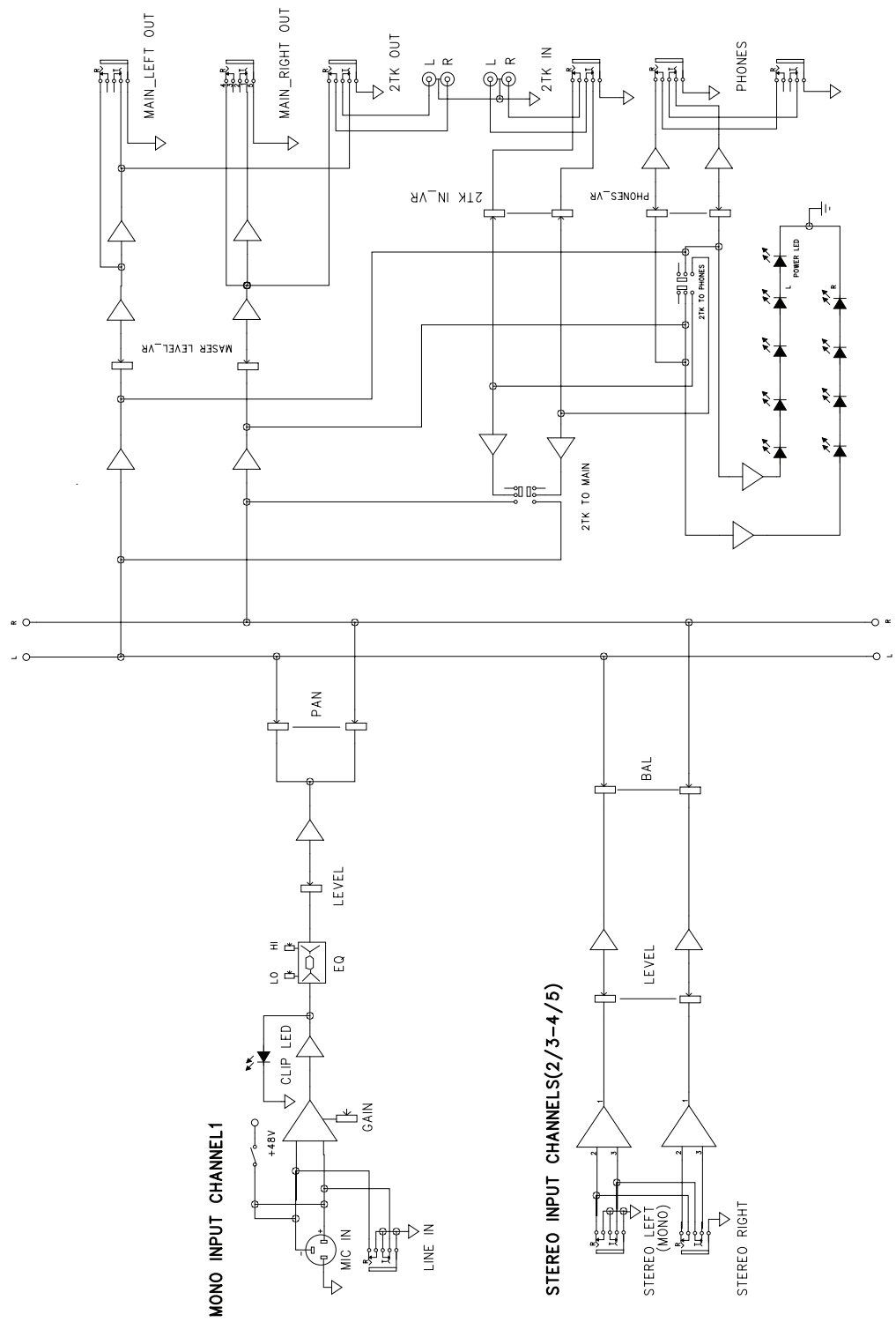
CONNECT 802 DIMENSIONAL DRAWING



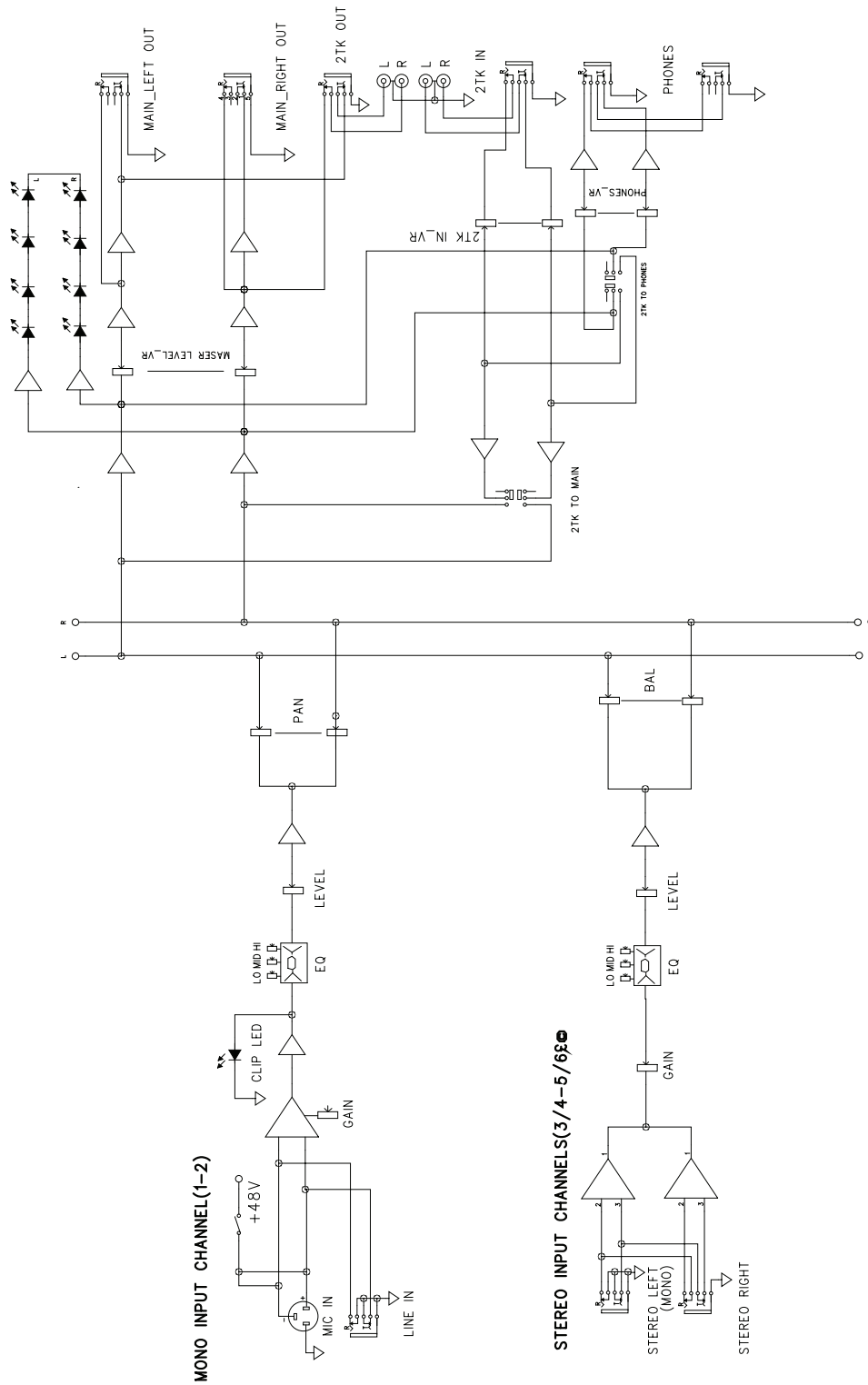
CONNECT 502 DIMENSIONAL DRAWING



CONNECT 502 BLOCK DIAGRAM



CONNECT 802 BLOCK DIAGRAM



SPECIFICATIONS

Model	CONNECT 502
Maximum Output Level	+22dBu
Maximum Headphone Output Level	>150mw @ 32 ohms
THD	<0.0025% @ +14dBu
Frequency Response	20Hz-20kHz ±1dB
Hum and Noise	-127dB Mic Pre Equivalent Input Noise -95dBu Residual Noise
Maximum Input Levels	Mic In: +10dBu Line In: +20dBu 2TK IN: +20dBu
Mono Input Channel Gain	50dB Variable (-50~0dB) (-40dB~ +10dB)
Input Channel EQ	High (±15dB) 12kHz Shelving Low (±15dB) 80Hz Shelving
Level Metering	Dual 4-Segment LED
Clip Indicator	Turns on at approx +16dBu
AC POWER	100~120V; 220~240V, 50/60Hz
Product Dimensions (H x W x D)	50.9mm x143mm x183.8mm
Carton Dimensions (H x W x D)	253mm x 77mm x 226 mm
Weight	1.64kg / 0.66kg (3.62lbs / 1.46lbs)

Model	CONNECT 802
Maximum Output Level	+22dBu
Maximum Headphone Output Level	>150mw @ 32 ohms
THD	<0.0025% @ +14dBu
Frequency Response	20Hz-20kHz \pm 1dB
Hum and Noise	-127dB Mic Pre Equivalent Input Noise -95dBu Residual Noise
Maximum Input Levels	Mic In: +10dBu Line In: +20dBu 2TK IN: +20dBu
Mono Input Channel Gain	50dB Variable (-50~0dB) (-40dB~ +10dB)
Input Channel EQ	High (\pm 15dB) 12KHz Shelving Mid (\pm 15dB) 1KHz Shelving Low (\pm 15dB) 80Hz Shelving
Level Metering	Dual 4-Segment LED
Clip Indicator	Turns on at approx +16dBu
AC POWER	100~120V; 220~240V, 50/60Hz
Product Dimensions (H x W x D)	50.9mm x 208mm x 183.8mm
Carton Dimensions (H x W x D)	311mm x 77mm x 226 mm
Weight	1.93kg / 0.95kg (4.14lbs / 2.03lbs)

WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro Connect Series products are warranted of manufacturing or material defects for a period of one year from the original date of purchase. In the event of malfunction, contact your authorized Wharfedale Pro dealer or distributor for information.

*Be aware that warranty details may differ from country to country. Contact your dealers or distributor for information. These terms do not infringe your statutory rights.



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