



CONNECTTM

**1002FX / 1202FX
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 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.  This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.
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 1002FX/1202FX mixer. Connect 1002FX/1202FX 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 1002FX/1202FX mixer.

ABOUT THE CONNECT 1002FX/1202FX

The Connect 1002FX/1202FX 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 Connect1002FX/1202FX 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 is 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**

EFFECTS SECTION (FX Interface):



You have a choice of 56 different effects, from Reverb to Flanging to Delay. You can send them to the main mix outputs.

1. Shows which of effect
2. Shows when the FX bus is overloaded
3. Turns the FX processor on or off
4. Selects the effect algorithm as listed below the control
5. Sends the output of the FX processor to the main mix bus

| | |
|----------------|---|
| ROOM | r1 Closet, r2 Small ambient room, r3 Small bathroom, r4 Medium bathroom, r5 Large bathroom, r6 Small empty room, r7 Medium empty room, r8 Large empty room. |
| PLATE | P1 - P5 |
| HALL | h1 Medium hall 1, h2 Medium hall 2, h3 Medium hall 3, h4 Large hall 1, h5 Large hall 2, h6 Large hall 3, h7 Church, h8 Cathedral. |
| GATED REVERB | g1 - g3 |
| CHORUS | c1 - c4 Chorus 1-4, c5 - c8 Chorus with reverb 1-4. |
| FLANGER | F1 - F6 Flanger 1-6, F7 - F9 Flanger with reverb 1-2. |
| ROTARY SPEAKER | S1 - S7 |
| DELAY | D1 - D9 |

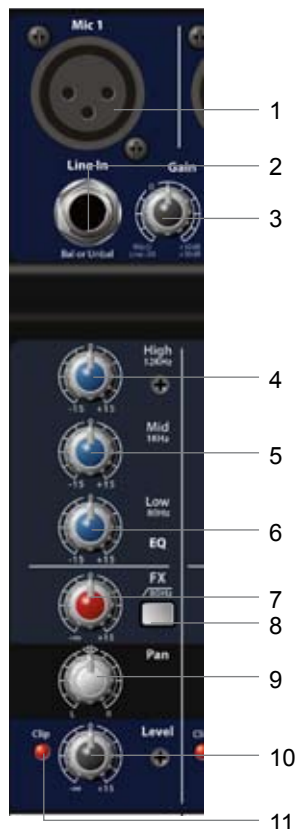
CONNECT 1002FX FEATURES

- 2 Mono Mic/Line Channels and 8 Stereo Channels
- Input Gain Controls On All Mono Channels
- Studio grade phantom powered microphone pre-amps
- Ultra musical 3 band EQ with high pass filters On All Mono Channels
- Built-in digital FX with dedicated send, 56 effects
- Pan or balance controls, Stereo 4 Segment LED Meters
- Control room and headphone outputs, 2TK to Mains/ Headphones Level Control
- Master outputs with TRS connectors, Clip LED on Mic/Line Channels

CONNECT 1202FX FEATURES

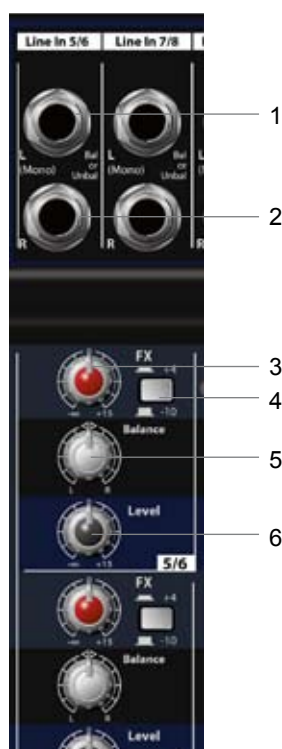
- 4 Mono Mic/Line Channels and 8 Stereo Channels
- Input Gain Controls On All Mono Channels
- Studio grade phantom powered microphone pre-amps
- Ultra musical 3 band EQ with high pass filters On All Mono Channels
- Built-in digital FX with dedicated send, 56 effects
- Pan or balance controls, Stereo 4 Segment LED Meters
- Control room and headphone outputs, 2TK to Mains/ Headphones Level Control
- Master outputs with TRS connectors, Clip LED on Mic/Line Channels

MONO CHANNEL WALKTHROUGH



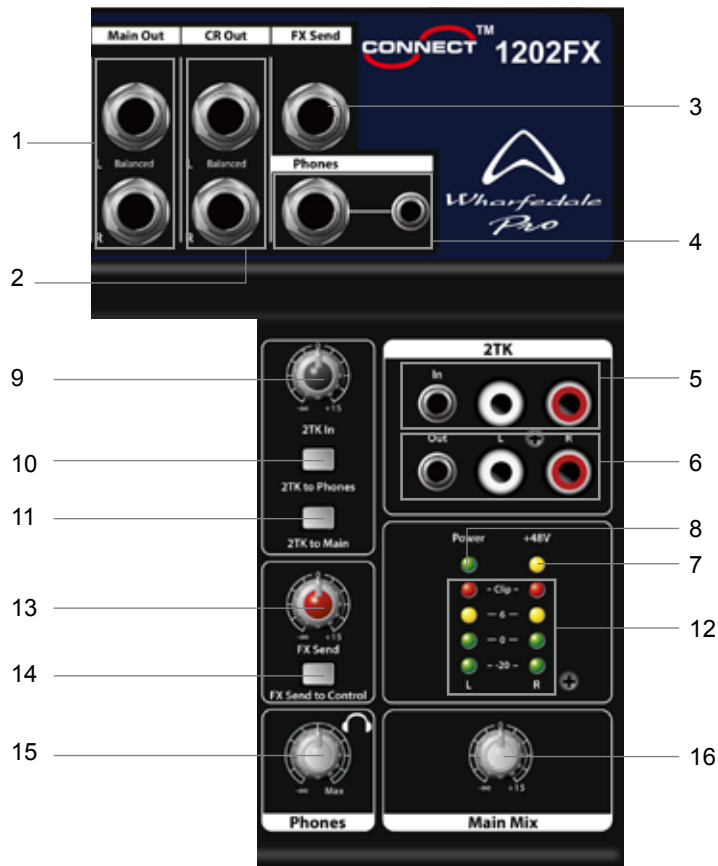
1. Balanced XLR input for connecting microphones
2. Balanced/Unbalanced TRS input for line level sources
3. Gain control for calibrating sources and applying correct gain structure
4. High EQ centred at 12KHz
5. Mid EQ centred at 1KHz
6. Low EQ centred at 80Hz
7. Sends to the internal FX engine or to effect
8. HPF with 80Hz cutoff point
9. Used to spatially place the channel within the stereo field
10. Sets the amount of signal sent to the main output bus
11. Clip LED. Shows when clipping is occurring

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. FX to FX send or to effect
4. Select +4/-10dBu switch
5. Used to spatially place the channel within the stereo field
6. Sets the amount of signal sent to the main output bus

MASTER SECTION WALKTHROUGH



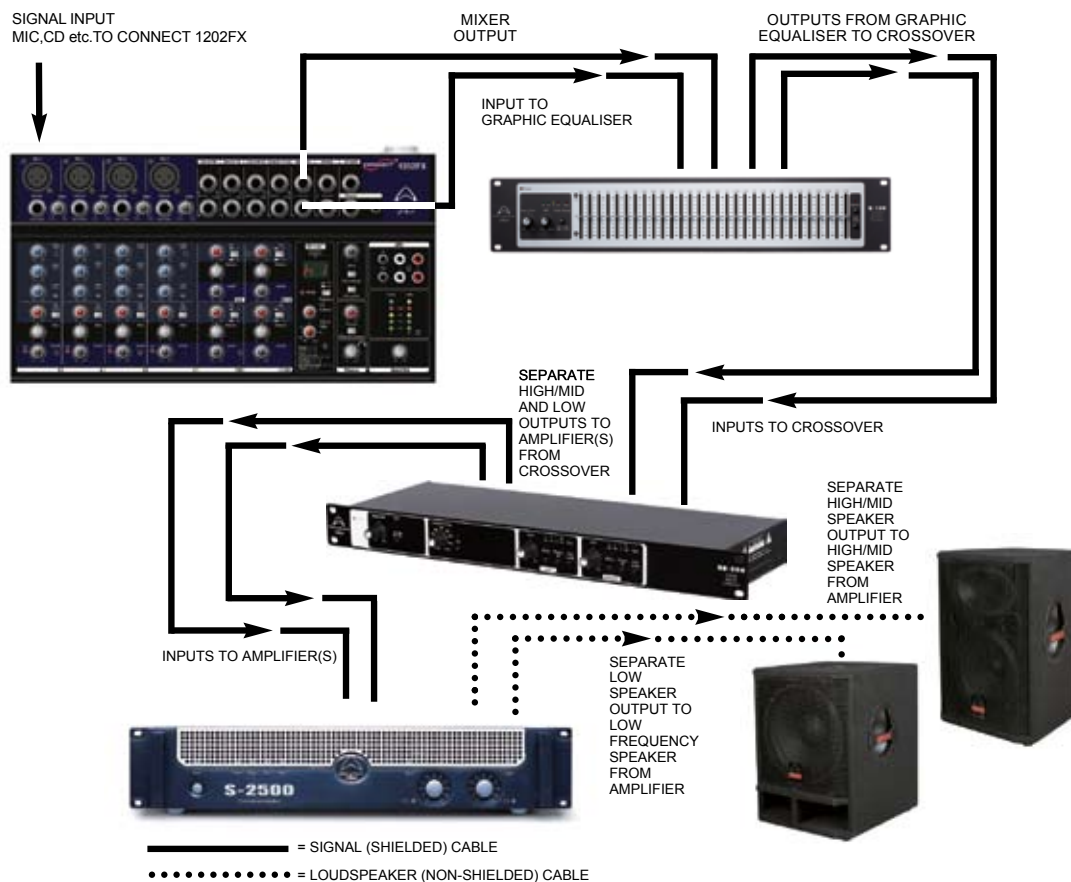
1. Balanced/unbalanced TRS main outputs
2. Used for control room monitoring, connect directly to your power amplifier or active speakers
3. For connecting FX send
4. For connecting headphones
5. 2-Track inputs for playback devices ($\frac{1}{8}$ " jack takes priority)
6. 2-Track outputs for recording devices ($\frac{1}{8}$ " jack takes priority)
7. Indicates +48v phantom power activity
8. Indicates AC power supply
9. Controls the level of the 2-Track inputs
10. When depressed sends the 2-Track input to the headphone outputs
11. When depressed sends the 2-Track input to the main mix bus
12. Displays the realtime level present at the main output bus
13. Controls the level of FX send or pass effect from main out outputs
14. Select the level of the main headphone or to control room outputs
15. Controls the level of the headphone outputs
16. Controls the master level of the main mix bus

REAR PANEL WALKTHROUGH

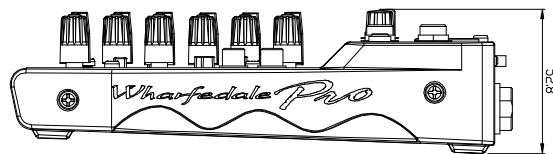
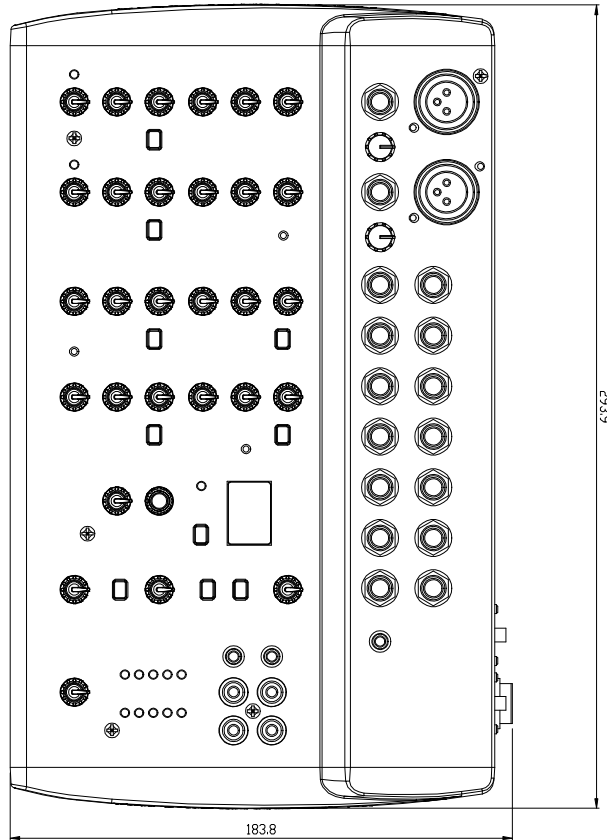
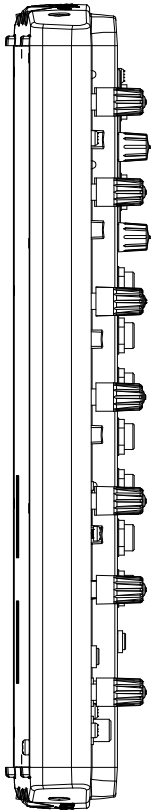


1. AC Supply input, use only the supplied Wharfedale Pro authorised power supply
2. Turns the Connect Mixer on or off
3. Switches the global +48V phantom power on or off

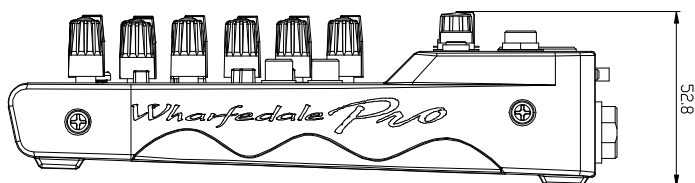
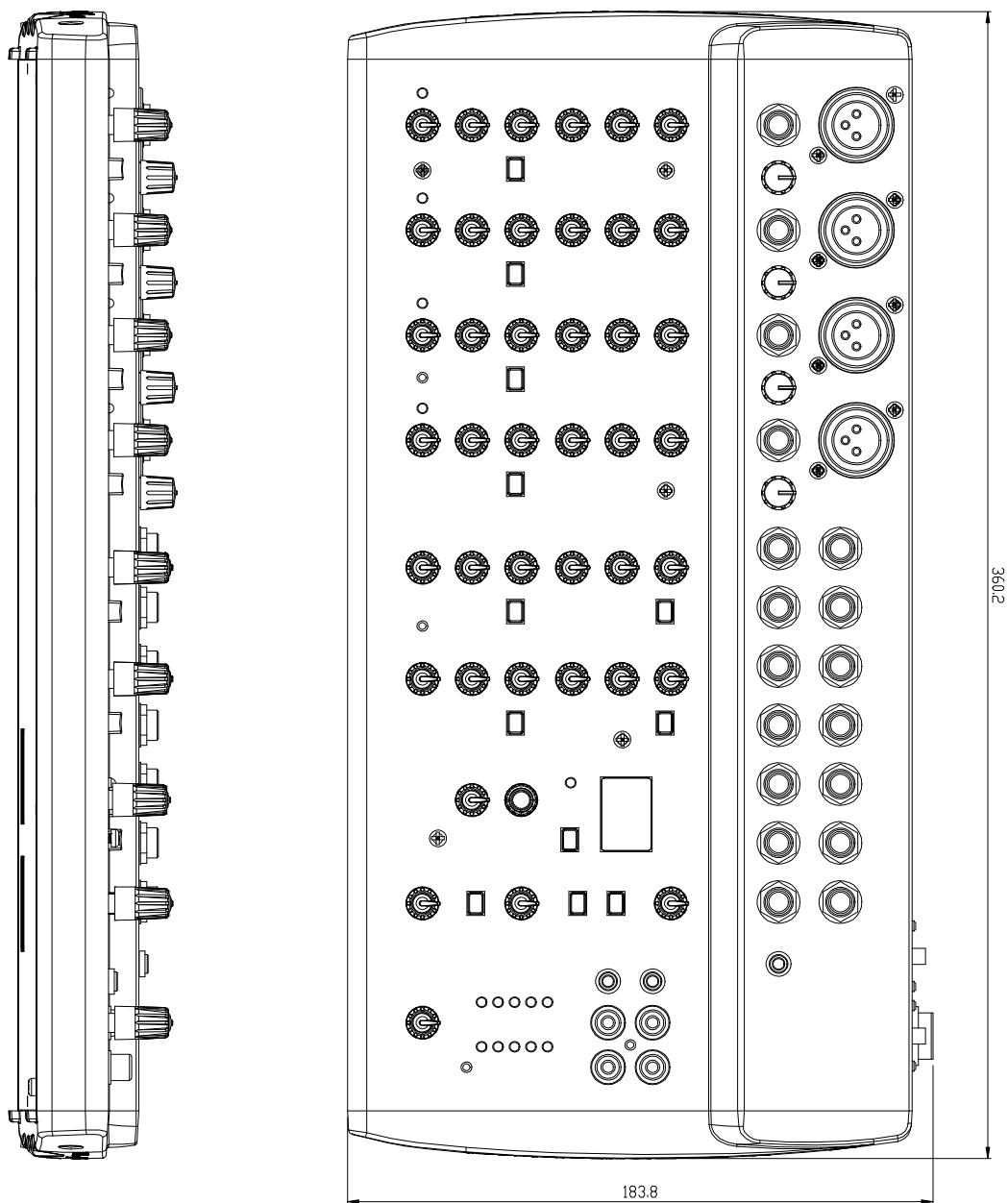
WIRING DIAGRAM



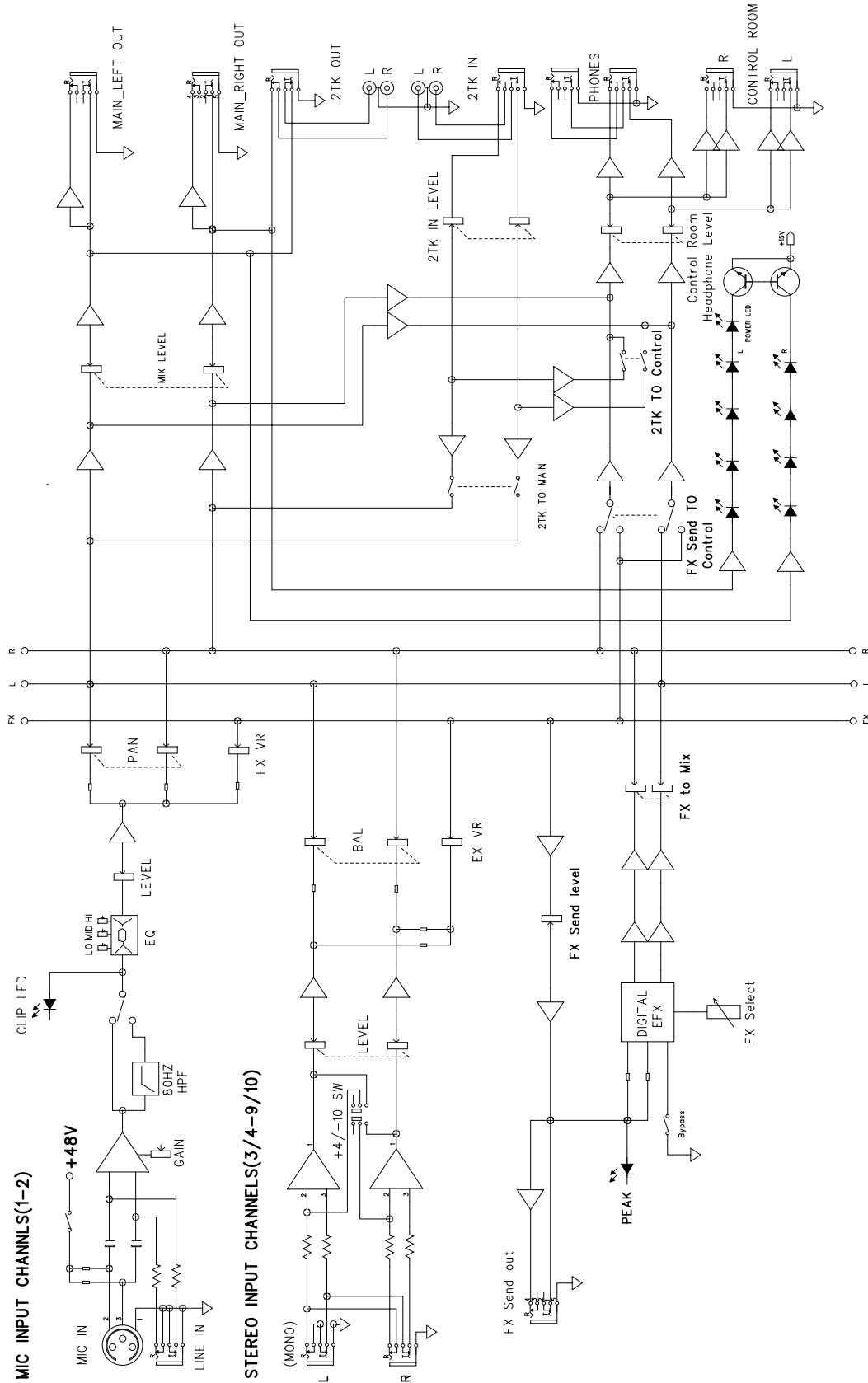
GUIDE CONNECT 1002FX DIMENSIONAL DRAWING



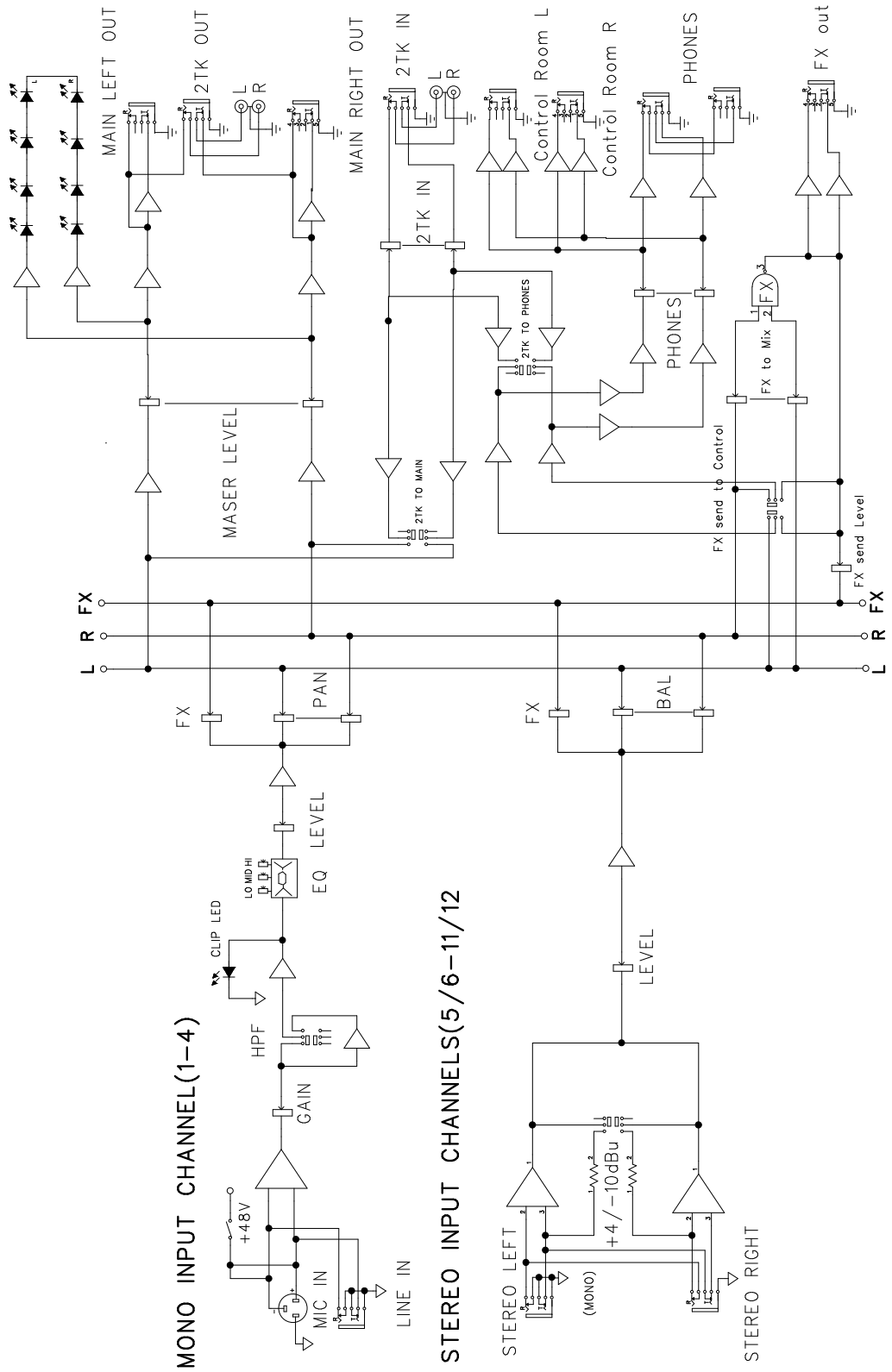
GUIDE CONNECT 1202FX DIMENSIONAL DRAWING



CONNECT1002FX BLOCK DIAGRAM



CONNECT1202FX BLOCK DIAGRAM



MONO INPUT CHANNEL(1-4)

STEREO INPUT CHANNELS(5/6-11/12)

SPECIFICATIONS

| Model | Connect 1002FX | Connect 1202FX |
|--|--|--|
| Maximum Balanced Output Level (1%T.H.D. at 1kHz) | Main XLR Balanced out +26dBu ±1dBu Main 1/4" Jack Balanced out +26dBu ±1dBu | Main XLR Balanced out +26dBu ±1dBu Main 1/4" Jack Balanced out +26dBu ±1dBu |
| Maximum Unbalanced Output Level (1%T.H.D. at 1kHz) | Main XLR Unbalanced out +21dBu ±1dBu Main 1/4" Jack Unbalanced out +21dBu ±1dBu Headphone output 150mw±5mw @ 32ohms | Main XLR Unbalanced out +21dBu ±1dBu Main 1/4" Jack Unbalanced out +21dBu ±1dBu Headphone output 150mw±5mw @ 32ohms |
| THD+N | <0.019% @ + 14dBu ±0.5dBu | <0.025% @ + 14dBu ±0.5dBu |
| Frequency Response | 20Hz~20kHz±1dB | 20Hz~20kHz±1dB |
| Hum and Noise 20Hz-20Khz(150R) | -127dBu ±5dBu Mic Pre Equivalent Input Noise -85dBu ±5dBu Residual Noise | -127dBu ±5dBu Mic Pre Equivalent Input Noise -85dBu ±5dBu Residual Noise |
| S/N | 82dB ±5dB @ fader max | 78dB ±5dB @ fader max |
| FFT | -62dBV ±5dBV @ gian fader max | -62dBV ±5dBV @ gian fader max |
| CMRR | 60dB±5dB @ 1kHz | 62dB±5dB @ 1kHz |
| Maximum Input Level | Mic +4dBu ±1dBu Channel Line +25dBu±1dBu Stereo Line +25dBu ±1dBu 2TK IN +25dBu ±1dBu | Mic +4dBu ±1dBu Channel Line +25dBu±1dBu Stereo Line +25dBu ±1dBu 2TK IN +25dBu ±1dBu |
| Impedances | Mic: Balanced 6 Kohms, Unbalanced 3Kohms ±500ohms Line: Balanced 44 Kohms, Unbalanced 22Kohms ±2kohms 2TK IN: Unbalanced 10Kohms ±2kohms All other Unbalanced outputs:100 ohms, Balanced outputs: 200ohms | Mic: Balanced 6 Kohms, Unbalanced 3Kohms ±500ohms Line: Balanced 44 Kohms, Unbalanced 22Kohms ±2kohms 2TK IN: Unbalanced 10Kohms ±2kohms All other Unbalanced outputs:100 ohms, Balanced outputs: 200ohms |
| Mono Input Channel Gain | 50dB Variable MIC(0~-50dB) Line(-20dB~+30dB) | 50dB Variable MIC(0~-50dB) Line(-20dB~+30dB) |
| Input Channel EQ | High (+/-15dB)±2dBu 12kHz Shelving Mid (+/-15dB)±2dBu 1kHz Shelving Low (+/-15dB)±2dBu 80Hz Shelving | High (+/-15dB)±2dBu 12kHz Shelving Mid (+/-15dB)±2dBu 1kHz Shelving Low (+/-15dB)±2dBu 80Hz Shelving |
| Effect Out | 56 effects: 1.(ROOM=r1-r8); 2.(PLATE=P1-P5); 3.(HALL=h1-h8); 4.(GATED REVERB=g1-g3); 5.(CHORUS=c1-c8) 6.(FLANGRE=f1-f8); 7.(ROTARY SPEAKER=s1-s7); 8.(DELAY=d1-d9). | 56 effects: 1.(ROOM=r1-r8); 2.(PLATE=P1-P5); 3.(HALL=h1-h8); 4.(GATED REVERB=g1-g3); 5.(CHORUS=c1-c8) 6.(FLANGRE=f1-f8); 7.(ROTARY SPEAKER=s1-s7); 8.(DELAY=d1-d9). |
| Level Meter | 4-Segment LEDx2 (output of +4dBu = 0dB) Main L/R | 4-Segment LEDx2 (output of +4dBu = 0dB) Main L/R |
| AC Power options | AC100-120V~ 50Hz/60Hz or AC220-240V~ 50Hz/60Hz | AC100-120V~ 50Hz/60Hz or AC220-240V~ 50Hz/60Hz |
| Dimensions(HxWxD) | 293.9*183.8*52.8 MM (11.6*7.3*2.1 in) | 360.1*183.8*52.8 MM(14.2*7.3*2.1 in) |
| Weights | 1.37kg(3.02lbs) | 1.69kg (3.73lbs) |

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.



Wharfedale Professional

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