

WHARFEDALE PRO IMPACT SERIES USER MANUAL



• IMPACT 15

• IMPACT 215

• IMPACT 18B

• IMPACT 218B



WARNING & SAFETY INSTRUCTIONS

1. READ ALL INSTRUCTIONS

Carefully and become familiar with the features and functions of these products before operating them.

2. RETAIN THESE INSTRUCTIONS

For future reference.

3. COMPLY WITH ALL WARNINGS

All warnings and instructions for this product should be adhered to.

4. USE WITH AMPLIFIERS

In order to avoid damage to drivers and other equipment, it is advisable to establish and follow a routine for powering up and powering down a sound system. With all system components connected, turn on source equipment (mixers, signal processors, record and playback units, etc.) BEFORE powering up amplifiers. Transient voltages from powering up source equipment can damage speakers if amplifiers are already turned on. Make sure that amplifier volumes are set to their minimum settings and power up any system amplifiers LAST. It is recommended that all system components be allowed to stabilize for several seconds before any source signals are introduced or level setting adjustments are made. Similarly, when shutting systems down, turn all amplifiers off first, before powering down any other system components.

5. CABLES

Do not use shielded or microphone cables for connection between amplifiers and speakers. Use only approved speaker cables with proper connectors.

6. RIGGING - SUSPENDING - MOUNTING - RIGGING, Suspending and mounting of these speaker systems can expose members of the public to serious health risks and even death. Under no circumstances attempt to rig, suspend or otherwise mount these speakers unless you are fully qualified and certified to do so by relevant local, state and national authorities. All relevant safety regulations must be followed. If you are not properly qualified or do not know of pertinent regulations, consult qualified personnel for advice.

7. CAUTION

These professional loudspeaker systems are capable of generating very high sound pressure levels. Use care with placement and operation to avoid exposure to excessive volume levels. Permanent hearing damage can result when operated to extreme levels.

8. SERVICE

There are no user serviceable parts inside this product. Users should not attempt to service this product. Warranty nullification could result if this is attempted.

Introduction

The IMPACT series delivers extreme performance and power handling with unprecedented reliability and value. The series comprises of four models, IMPACT 15, 215, 18B and 218B. The strong wooden cabinets are covered in a textured black paint to give a durable yet stylish finish, which brings a professional look to any sound reinforcement environment. The IMPACT series has a desirable high power capacity and clarity, as well as, an exceptional low frequency output providing tight bass all the way down to a 30Hz response. For high frequency, a 1.75" titanium-diaphragm compression driver produces a powerful yet neutral sounding high end. All IMPACT series speakers use specially developed LF & HF drive units, which are designed in-house by our expert engineers and handmade in our own factory. Everything about the IMPACT series screams 'Premium Product' except for the price tag, and we believe that you will find it impossible to find a better sounding loudspeaker for anywhere near this price point.

Key Feature

IMPACT 15

- 350W Continuous / 700W Program / 1400W Peak Power
- 45-20KHz Frequency Range
- 1.75" Titanium Compression HF Driver
- 15" High Output Dual Layer LF Driver
- HF Protection Guard Circuit
- 2 x Speakon In/Thru
- Durable Textured Paint Finish
- Powerful Full Range Performance

IMPACT 18B

- 500W Continuous / 1000W Program / 2000W Peak Power
- 35-250Hz Frequency Range
- 18" High Output Quad Layer LF Driver
- Durable Textured Paint Finish
- Internal Low Pass Filter
- 2 x Speakon In/Thru
- Adds Powerful Sub Bass To Any System

IMPACT 215

- 700W Continuous / 1400W Program / 2800W Peak Power
- 40-20KHz Frequency Range
- 1.75" Titanium Compression HF Driver
- 2 X 15" High Output Dual Layer LF Drivers
- HF Protection Guard Circuit
- 2 x Speakon In/Thru
- Durable Textured Paint Finish
- Powerful Full Range Performance

IMPACT 218B

- 1000W Continuous / 2000W Program / 4000W Peak Power
- 30-1.5KHz Frequency Range
- 2 x 18" High Output Quad Layer LF Drivers
- Durable Textured Paint Finish
- Internal Low Pass Filter
- 2 x Speakon In/Thru
- Adds Powerful Sub Bass To Any System

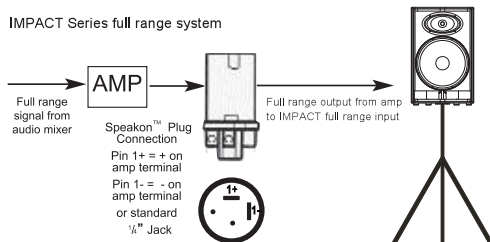
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Specification sheet

Model Name	IMPACT 15	IMPACT 215	IMPACT 18B	IMPACT 218B
Configuration	2-way	Quasic 3-way	Subwoofer	Subwoofer
Frequency Range (-10dB)	45-20kHz	40-20kHz	35-250Hz	30-1.5kHz
Frequency Response(+/- 3dB)	50-18kHz	45-18kHz	40-220Hz	35-1.2kHz
Rms / Programme / Peak	350W / 700W / 1400W	700W / 1400W / 2800W	500W / 1000W / 2000W	1000W / 2000W / 4000W
Nominal Impedance Ohms	8Ω	4Ω	4Ω	4Ω
Sensitivity dB SPL @ 1W / 1M	98dB	100dB	100dB	101dB
Max SPL dB SPL	130dB	135dB	133dB	137dB
Nominal Coverage (H x V)	90° X 60°	90° X 60°	N/A	N/A
Enclosure Finish Painted / Carpet etc	Black Paint	Black Paint	Black Paint	Black Paint
Grille Material & Finish	1.2mm steel	1.2mm steel	1.2mm steel	1.2mm steel
Colour Options	Black	Black	Black	Black
Pole Mount Type and Size	Dual-angle (0° or -10°) 35mm pole socket	35mm	35 mm	N/A
Input Connector Type (eg terminal strip / Speakon / Jack)	2 x Speakon in / thru	2 x Speakon in / thru	2 x Speakon in / thru	2 x Speakon in / thru
Net Weight	22.8kg / 50.16lbs	34.5kg / 75.9lbs	34.52kg / 75.9lbs	72kg / 158.4lbs
Gross Weight	25.8kg / 56.76lbs	38.9kg / 85.6lbs	41.2kg / 90.6lbs	80.6kg / 177.32lbs
Product Dimensions HxWxD (mm)	680 x 444.5/245.3 x 429.0	1058 x 444.5/245.3 x 429.0	526 x 611 x 606.5	554 x 1222 x 606.5
Carton Dimensions HxWxD (mm)	750 x 520/290 x 485	1125 x 520/290 x 496	635 x 710 x 660	628 x 1295 x 685

IMPACT FULL RANGE IMPACT 15 IMPACT 215

IMPACT Series full range system



CONNECTION

1. Connect the speaker cable securely to your IMPACT cabinet and power amplifier (the amplifier should be OFF, POWER DOWN MIDE). Where possible use Speakon™ connectors as they are professional high current connections specifically designed for this application. Try to use the correct type of speaker cable according to the handling ability of your IMPACT Series Cabinet. Use 2 conductor equal stranded insulated cable for speaker runs. It is always advisable to use heavier conductor cables on longer runs.

2. If using Speakon™, insert the speakon and rotate 1/8 of a turn until locked in. If using a jack plug insert until secure.

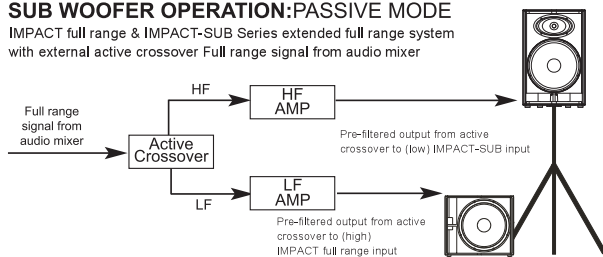
3. Power up amplifier with levels on zero. Confirm units are operating.

IMPACT FULL RANGE AND SUB BASS

IMPACT 18B IMPACT 218B

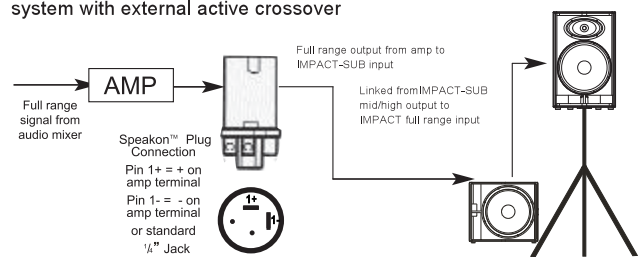
SUB WOOFER OPERATION: PASSIVE MODE

IMPACT full range & IMPACT-SUB Series extended full range system with external active crossover Full range signal from audio mixer



SUB WOOFER OPERATION: ACTIVE MODE

IMPACT full range & IMPACT-SUB Series extended full range system with external active crossover



Unpacking

All Wharfedale Pro products are fully checked before leaving the factory. After unpacking please inspect cabinets for any physical damage. Please retain the shipping carton if possible and internal

packing material in case the unit needs to be returned. Please check as soon as possible the unit is functioning. In the event of any damage please contact your dealer immediately so that a written claim for damage can be made.

WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro 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
IAG House 13/14 Glebe Road Huntingdon Cambridgeshire PE29 7DL UK
www.wharfedalepro.com

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