




Turbosound TCI32-TR 2 Way Full Range Loudspeaker User Guide

[Home](#) » [Turbosound](#) » [Turbosound TCI32-TR 2 Way Full Range Loudspeaker User Guide](#) 



IMPACT Series TCI32-TR

2 Way Full Range Loudspeaker with Line Transformer for Installation Applications (Weather Resistant)
V 4.0

Contents

- 1 Important Safety Instructions
- 2 LEGAL DISCLAIMER
- 3 LIMITED WARRANTY
- 4 IMPACT Series Hook-up
 - 4.1 70 V / 100 V Distributed System
 - 4.2 Low Impedance System
- 5 IMPACT Series Getting started
- 6 IMPACT Series Rigging Instructions
- 7 LOUDSPEAKER MOUNTING INSTRUCTIONS – FOR QUALIFIED PERSONNEL ONLY
- 8 Specifications
- 9 Other important information
- 10 Documents / Resources
 - 10.1 References
- 11 Related Posts

Important Safety Instructions



Terminals marked with this symbol carry an electrical current of sufficient magnitude to constitute a risk of electric shock. Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installations or modifications should be performed only by qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure- voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.



Caution

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user-serviceable parts inside. Refer servicing to qualified personnel.



Caution

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.

5. Do not use this apparatus near water.
6. Clean only with a 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 stores, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades one wider than the other. A grounding-type 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 the replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Use only attachments/accessories specified by the manufacturer.



12. Use only with the 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.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as a 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.
15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



7. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office or your household waste collection service.
18. Do not install in a confined space, such as a bookcase or similar unit.
19. Do not place naked flame sources, such as lighted candles, on the apparatus.
20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed of at a battery collection point.
21. This apparatus may be used in tropical and moderate climates up to 45°C.

LEGAL DISCLAIMER

Music Tribe accepts no liability for any loss which may be suffered by any person who relies either wholly on or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and

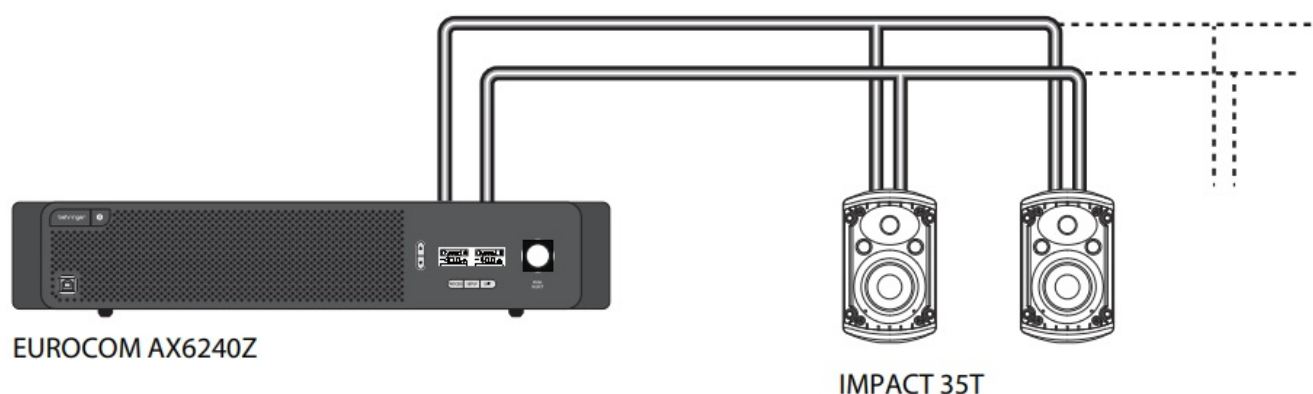
other information are subject to change without notice. All trademarks are the property of their respective owners. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Oberheim, Auratone, Aston Microphones and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd. © Music Tribe Global Brands Ltd. 2021 All rights reserved.

LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at usictribe.com/warranty.

IMPACT Series Hook-up

70 V / 100 V Distributed System



Low Impedance System



IMPACT Series Getting started

Electrical Connections

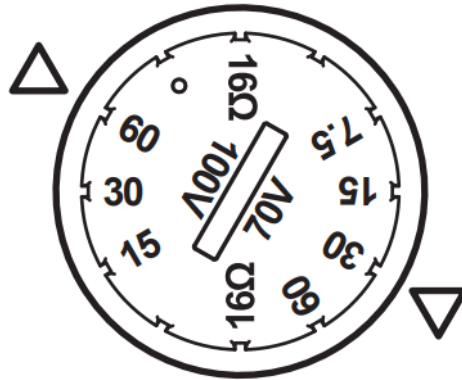
Electrical connections to IMPACT loudspeakers are provided as an integral part of the adjustable wall bracket supplied with each loudspeaker.

Follow the details shown in the Rigging Instructions section of this guide.

70 Volt / 100 Volt Line Distributed Systems

IMPACT Series loudspeakers are designed for use in 70 Volt or 100 Volt distributed systems.

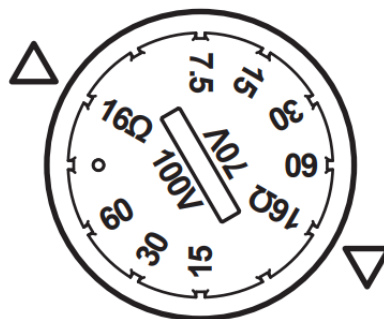
1. Connect loudspeakers to a suitable distribution amplifier, making sure that the maximum sum of the loudspeakers' transformer taps does not exceed the distribution amplifier's rated power output.
2. Adjust the individual loudspeakers' voltage tap selector to provide the appropriate loudness level.



Low-Impedance Systems

When used as part of a low impedance system, IMPACT loudspeakers require only one amplifier channel for correct operation. The frequency splitting between the LF driver and the HF driver is accomplished by the internal passive crossover network built into each enclosure.

1. Connect the loudspeaker to a suitable amplifier, making sure the overall impedance is not lower than the minimum recommended load impedance of the amplifier.
2. Select the low impedance setting on the voltage tap selector on the bottom of the cabinet. (This is labeled 8 Ω or 16 Ω , depending on your loudspeaker model.)

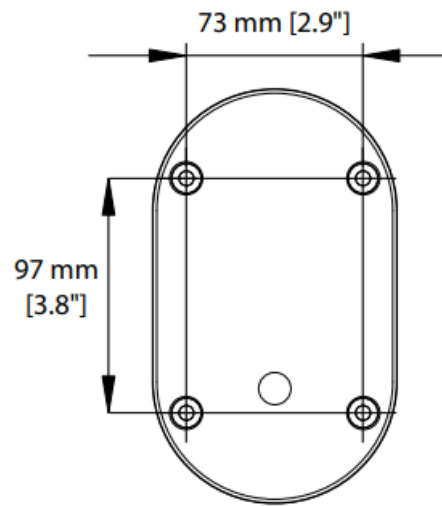


IMPACT Series Rigging Instructions

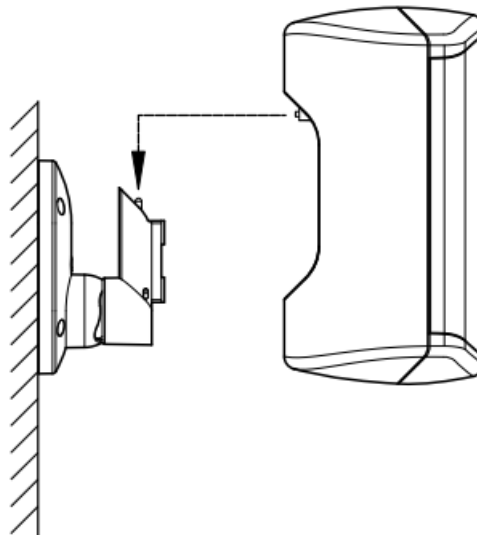
Installing the Loudspeaker with the supplied Wall Bracket

The loudspeaker connections are provided as an integral part of the supplied WB-5 wall bracket.

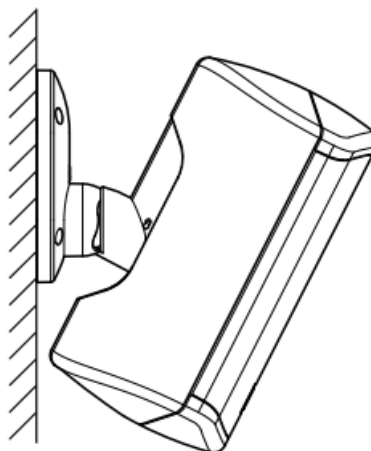
1. Site the bracket onto the mounting surface, making sure there is sufficient free travel vertically and horizontally to allow full angular adjustment of the loudspeaker, and feed the speaker cables through the main bracket assembly from the rear.
2. Fix the wall bracket securely to the mounting surface using appropriate fixings. The correct hole spacing and bracket orientation are shown here. WB-5 BRACKET TEMPLATE



3. Terminate the speaker cable by stripping to length and connecting to the bracket assembly, ensuring correct polarity. The right terminal is positive (+ve) and the left terminal is negative (-ve).
4. Offer the loudspeaker up to the bracket and lock into place with a downward motion. This action automatically closes the electrical connections.



5. Angle the loudspeaker as required and lock the bracket using the 5 mm hex key provided.



Installing the Loudspeaker with other Wall Brackets

When installing IMPACT loudspeakers with Turbosound CB-10 or WB-10 brackets, or OmniMount™ brackets, you will need to terminate the cables directly at the loudspeaker terminal as shown.

NOTE: IMPACT Series loudspeakers with the “R” designation are constructed for outdoor use. However, care should still be taken when installing these “R” loudspeakers outdoors in coastal areas with high salinity and extreme temperature variations, as well as high humidity and UV light exposure.

Loudspeakers must always be mounted with a downward angle.

Do not allow loudspeakers to become fully immersed in water at any time.

Routine inspection and maintenance programs must be carried out on a regular basis and parts replaced as necessary to provide continued satisfactory performance.

LOUDSPEAKER MOUNTING INSTRUCTIONS – FOR QUALIFIED PERSONNEL ONLY

This loudspeaker system may be permanently installed by qualified personnel, using approved methods and materials. Improper installation can pose serious risk of injury or death. Please read these instructions in their entirety before attempting installation.

Permanent installation may only be attempted by persons licensed and qualified by appropriate authorities governing the installation location. Installers are to employ only original parts, brackets, fasteners and suspension accessories or properly rated and certified components from third parties. Replace any missing parts by contacting the authorized Reseller or Distributor in your region. Clarify all local requirements and obtain necessary approvals and permits before commencing work.

When selecting a location for the loudspeaker to be installed ensure that all mechanical, acoustic, and safety considerations are observed. Ensure that the structure is capable of supporting the load and that all hardware is rated accordingly with ample safety factors. Do not suspend loudspeakers over areas of public circulation or where the failure of the suspension system can cause bodily or property damage. Inspect suspension hardware regularly to ensure integrity.

Loudspeakers radiate a magnetic field, even when they are not in use. This magnetic field may cause interference with other devices such as computers, magnetic media, and certain types of video monitors. Maintain a spacing of 2 meters between the loudspeaker and any such devices to prevent interference.

Music Tribe, its affiliates, and representatives shall not be liable for any property damage or personal injury arising from the improper installation, use or maintenance of this product.

Specifications

TCI53-TR (WH)		TCI52-TR (WH)		TCI32-TR (WH)	
System					
Frequency response	74 Hz -18 kHz ±3 dB 43 Hz – 20 kHz -10 dB	74 Hz – 20 kHz ±3 dB 43 Hz – 20 kHz -10 dB	90 Hz – 20 kHz ±3 dB 70 Hz – 20 kHz -10 dB		
Nominal dispersion	100 ⁰ H x 70°V @ -6 dB points			120° H x 100°V @ -6 dBpoints	

Power Handling (IEC)			
Passive	120 W continuous, 480 W peak	60 W continuous, 240 W peak	30 W continuous, 120 W peak
100 V line	120, 60, 30 W continuous	60, 30, 15 W continuous	30, 15, 7.5 W continuous
70 V line	120, 60, 30, 15 W continuous	60, 30, 15, 7.5, 3.75 W continuous	30, 15, 7.5, 3.75 W continuous
Sensitivity	90 dB (1 W @ 1 m)		88 dB (1 W@ 1 m)
Maximum SPL			
Passive	111 dB continuous, 117 dB peak	108 dB continuous, 114 dB peak	103 dB continuous, 109 dB peak
100 V line	117, 114, 111 dB peak	114, 111, 108 dB peak	109, 106, 103 dB peak
70 V line	117, 114, 111, 105 dB peak	114, 111, 108, 105 dB peak	109, 106, 103, 100 dB peak
Impedance	8 Ω	16 Ω	
Components	2 x 5" (127 mm) LF driver 2 x 1" (25 mm) HF soft dome driver	1 x 5" (127 mm) LF driver 1 x 1" (25 mm) HF soft dome driver	1 x 3.5" (89 mm) LF driver 1 x 1" (25 mm) HF soft dome driver

Enclosure			
Connectors	Screw terminal block		
Wiring	Input +VE, -VE		
Dimensions HWD	450 x 164 x 158 mm (17.7 x 6.5 x 6.2")	300 x 164 x 158 mm (11.8 x 6.5 x 6.2")	240 x 145 x 148 mm (9.5 x 5.7 x 5.8")
Net weight	5.0 kg (11.0 lbs)	3.5 kg (7.7 lbs)	2.8 kg (6.2 lbs)
Construction	Gas injected, glass-filled molded ABS enclosure		
Finish	Black (white optional)		
Grille	Powder-coated perforated Zinc plated steel		
Flying hardware Accessories	M6 x 2 points, A Wall bracket – included		

Other important information

1. Register online.

Please register your new Music Tribe equipment right after you purchase it by visiting musictribe.com. Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.

2. Malfunction.

Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at musictribe.com. Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at musictribe.com. Alternatively, please submit an online warranty claim at musictribe.com BEFORE returning the product.

3. Power Connections.

Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.



Hereby, Music Tribe declares that this product is in compliance with Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/ EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC, and this passive product is not applicable to EMC Directive 2014/30/EU, LV Directive 2014/35/EU.

The full text of EU DoC is available at <https://community.musictribe.com/>



EU Representative: Music Tribe Brands DK A/S

Address: Ib Spang Olsens Gade 17, DK – 8200 Aarhus N, Denmark

Documents / Resources

<div><div><div>Quick Start Guide</div><div></div><div><div>IMPACT Series</div><div>TCI32-TR / TCI32-TR-WH</div><div>TCI52-TR / TCI52-TR-WH</div><div>TCI32-TR / TCI32-TR-WH</div></div><div><div>2 Way Full Range Loudspeaker with 6.5" Woofer for Installation Applications</div><div>(Please Refer to Page 10 for more details)</div></div><div><div>TurboSound</div></div></div></div>	<div><div>TurboSound TCI32-TR 2 Way Full Range Loudspeaker [pdf] User Guide</div><div>TCI32-TR, TCI32-TR-WH, TCI52-TR, TCI52-TR-WH, 2 Way Full Range Loudspeaker</div></div>
--	--

References

-  [Music Tribe](#)
-  [Music Tribe](#)

[Manuals+](#).