



User Manual

SPK1-C650T-WH

6,5" 2-Way Ceiling Speaker, 70/100V and 8Ohm, 50W RMS

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Version: SPK1-C650T_2022V1.0

Statement

Read this user manual carefully before using this product. Pictures shown in this manual are for reference only, different model and specifications are subject to real product. This manual is for operation instruction only, not for any maintenance usage. The functions described in this version are updated by November 2022. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to your distributor for the latest details.

Safety Precaution

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Do not use liquid or aerosol cleaners to clean this unit.
- Refer all servicing to qualified service personnel.
- Prior to installing the speakers into any ceiling/wall, check the structure for weight bearing ability and avoid contact with any wiring or plumbing that might be behind the surface area. Installing on soft materials or in areas incapable of supporting the speakers weight may cause personal injury or damage to the speaker.
- Make sure the speaker is properly secured to the ceiling/wall. Please use the proper screws, bolts, or anchors. Failure to do so may cause the speaker to become unsecured and cause potential damages/injuries.
- Damage to the woofer and tweeter may occur if the speaker is dropped or hit and resulting in no sound or distorted sound.
- Never overdrive your speakers to the point of distortion and always reduce volume prior to switching input sources.
- Use only approved and certified wiring in your installation, do not stretch or place the wire in contact with sharp objects.
- Prior to removing cables ensure all power to your amplifier and other components is turned off.

Customer Service

We provide limited warranty for the product within **five years** counting from date of purchase (The purchase invoice shall prevail).

Note: Please contact your distributor immediately if any damage or defect in the components is found.

Introduction

The TiGHT AV SPK1-C650T-WH is a full-range coaxial ceiling speaker consisting of a 6.5 inch polypropylene cone and a 0.5 inch mylar dome tweeter. It features combined 70V/100V and low impedance operation mode. The ceiling speaker also features easy-to-install spring clamps "dog-legs" and a white flat magnetic grille.

Features

- 6.5 inch polypropylene cone driver with rubber edge
- 0.5 inch mylar dome tweeter
- Supports both 70V/100V and low impedance operation
 - 70V: 1.25W-2.5W-5W-10W & 8Ω
 - 100V: 2.5W-5W-10W-15W & 8Ω
- Magnetic flat grille that comes in white color.

6.5" 2-Way Ceiling Speaker, 70/100V and 8Ohm, 50W RMS

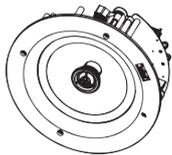
Specifications

| | |
|--------------------------|--|
| RMS Power | 50W |
| Impedance | 8 Ω (in low-impedance setting) |
| Sensitivity(1m/1W) | 88dB |
| Max SPL (1m) | 105dB (low-impedance)* |
| Frequency Range (-10dB) | 65Hz-20kHz |
| Woofer Type | 6.5" Polypropylene cone with rubber edge |
| Tweeter Type | 0.5"(13mm) Mylar dome tweeter |
| Crossover Slope | 6dB/Octave |
| Dimension | Φ227X103mm |
| Cutout Size | Φ210mm |
| Ceiling Thickness | Spring clamps can support up to 30mm ceiling thickness |
| Net Weight | 1.25 kg |
| Shipping Weight | 1.50 kg |
| Grille | Magnetic round grille. Color: White |
| Transformer | Knob Style 70V: 1.25W-2.5W-5W-10W & 8Ω, 100V: 2.5W-5W-10W-15W & 8Ω |
| Environmental Compliance | RoHS |
| Warranty | Limited 5 years warranty |

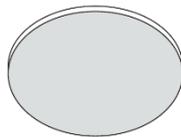
* Half-space (in ceiling)

Package List

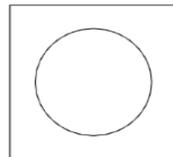
Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact your distributor for a replacement.



Speaker



Grille



Cutout Template



User Manual

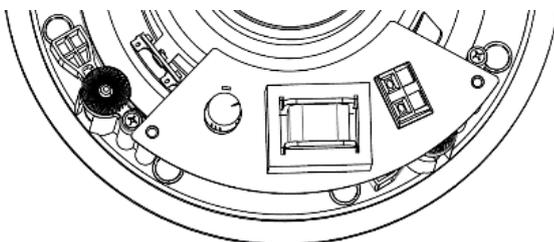
Installation

① Cut the speaker hole

Use a stud finder to locate an area that is free of obstructions or studs. Position the cutout template where you are installing the speaker. Trace the template to mark out the speaker location with a pencil. Drill a pilot hole and cut all of the way around the circular outline with a cutting saw.

② Set the operation mode

Use the knob located on the backside of the speaker to select operation mode and tap settings for 70V/100V mode.

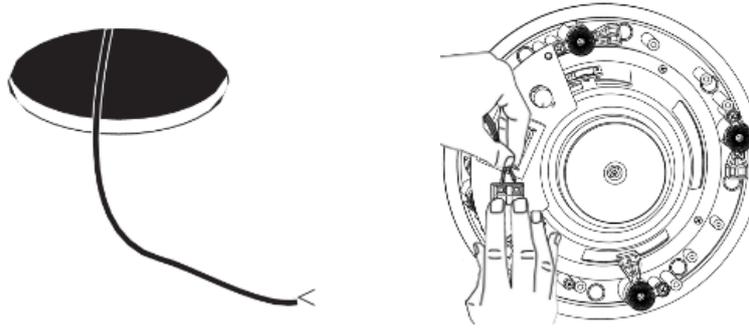


| | C | 1 | 2 | 3 | 4 |
|------|------|-----|-----|------|-------|
| 100V | 8ohm | 15W | 10W | 5W | 2.5W |
| 70V | 8ohm | 10W | 5W | 2.5W | 1.25W |

6,5" 2-Way Ceiling Speaker, 70/100V and 8Ohm, 50W RMS

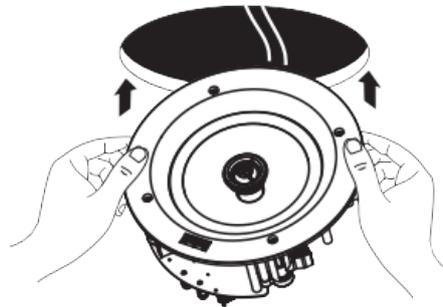
③ Connect speaker cable

Ensure that the amplifier is not connected or turned off before connecting speaker cables. Pull the speaker cable out of the hole which you have cut and connect it to the speaker.



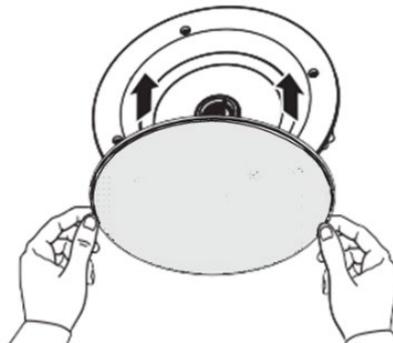
④ Install the speaker

Set the spring clamps "dog-legs" aside and place the speaker into the ceiling. Then use the screwdriver and gently tighten the four screws on the front of the speaker to secure the speaker. Do not apply too much force as this can break the spring clamps.



⑤ Attach the magnetic grille

As several magnets are on the speaker frame, attach the grille to the rim of the speaker directly. Ensure the grille is attached to the speaker securely to keep the grille from falling.



Note: Anytime you note distortion, reduce the volume. Never allow your amplifier to be driven into "clipping". Otherwise, the speakers may be damaged. Damage caused by operating the speakers at distorted volume levels is not covered by the warranty.