

# JADE CS-6ET 2 Way Ceiling Speaker User Manual

## Contents

- [1 JADE CS-6ET 2 Way Ceiling Speaker](#)
- [2 Safety Precaution](#)
- [3 Introduction](#)
- [4 Features](#)
- [5 Specifications](#)
- [6 Installation](#)
- [7 Documents / Resources](#)

## JADE CS-6ET 2 Way Ceiling Speaker

### Product Information

The JADE CS-6ET/CS-8ET is a 2-way ceiling speaker designed for high-quality audio reproduction. It features a 6.5/8-inch polypropylene cone driver with a rubber edge for enhanced durability and performance. The speaker also includes a 0.5-inch mylar dome tweeter for clear and detailed high-frequency sound. The CS-6ET/CS-8ET supports both 70V/100V and low-impedance operation modes, allowing for flexible installation in various audio systems. It has a maximum power rating of 100W for the CS-6ET and 120W for the CS-8ET. The speaker has a sensitivity of 89dB (CS-6ET) or 90dB (CS-8ET) at 1 meter/1 watt, ensuring efficient sound output. With a frequency response range of 60Hz to 20kHz (CS-6ET) or 50Hz to 20kHz (CS-8ET), the ceiling speaker delivers a balanced audio performance across a wide range of frequencies. The CS-6ET has a transformer with knob-style settings for 70V/100V operation at different power levels, while the CS-8ET has similar knob-style settings with a higher power rating.

The CS-6ET has dimensions of 227X89mm and a cutout size of 210mm, while the CS-8ET measures 277X107mm with a cutout size of 258mm. Both models feature an easy-to-install spring clamp dog-leg design for convenient installation. The speakers come with a white flat magnetic grille, adding a sleek and unobtrusive aesthetic to any ceiling installation.

### Product Usage Instructions

1. Choose the appropriate location on the ceiling for installing the CS-6ET/CS-8ET speakers.
2. Ensure that the cutout size matches the dimensions of the speaker.
3. Connect the speaker wires to the corresponding terminals on the back of the speaker.
4. If using the 70V/100V operation mode, set the transformer knob to the desired power level (1.25W, 2.5W, 5W, 10W for CS-6ET and CS-8ET; additionally, 15W for CS-8ET).
5. If using the low impedance operation mode, set the transformer knob to the "8 Ohm" position.
6. Gently push and secure the speaker into the cutout hole until it is flush with the ceiling.
7. Attach the white flat magnetic grille to the speaker by aligning it with the edges and letting it snap into place.
8. Test the speaker by playing audio through the connected audio system.

Ensure the speakers are properly installed and securely mounted to prevent any accidents or damage. Refer to the user manual for additional safety precautions and maintenance instructions.

## 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, or 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 speaker's 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.

## Introduction

The JADE CS-6ET/CS-8ET is a full-range coaxial ceiling speaker consisting of a 6.5/8-inch polypropylene cone and a 0.5-inch mylar dome tweeter. It features a 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

- 6.5/8 inch polypropylene cone driver with rubber edge
- The 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
- The magnetic flat grille comes in white color.

## Specifications

### 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.

## Installation

**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.

**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.

**Connect speaker cable**

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

**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.

**Attach the magnetic grille**

As several magnets are on the speaker frame, attach the grille to the rim of the speaker directly. Ensure the grill 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.

**Documents / Resources**

<div><div>JADE</div><div>User Manual</div><div>CS-6ET/CS-8ET</div><div>2-Way Ceiling Speaker, 70/100V and 8Ω/16Ω</div></div>	<div><div>JADE CS-6ET 2 Way Ceiling Speaker [pdf] User Manual</div><div>CS-6ET, CS-8ET, CS-6ET 2 Way Ceiling Speaker, 2 Way Ceiling Speaker, Ceiling Speaker, Speaker</div></div>
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