

CSDT FastLoc™ Series Ceiling Speaker User's Installation Guide

Low Profile, In-Ceiling, 2-Way, Dual Voice Coil, Dual Tweeter, Infinite Baffle Ceiling Loudspeaker with FastLoc™ Grille

The easy to install DT series speakers are a 2-way ceiling loudspeaker that incorporates high tech woofer materials with a butyl rubber surround and the state-of-the-art dual dome Ferrofluid cooled tweeters. The tweeters are in an engineered preset angled configuration to prevent noise canceling and affords better dispersion. The DT supplies blended stereo sound from one speaker.

This revolutionary combination provides superior and more natural sound for both foreground and background applications.

The Infinite Baffle design makes it the ideal choice for typical applications in open beam attic or enclosed ceilings.

For efficiency and consistency the CS650DTFL and CS800DTFL series are timbre matched to the CS series, FIT series and WS series of speakers.

These speakers feature the innovative FastLoc™ zero edge quick connect grille. Architects and designers have resisted the size of the traditional bezel. The FastLoc™ feature, found only at Current Audio, exhibits the smallest exposed bezel that virtually disappears into the ceiling. But the major feature is the Patent Pending design that allows for rapid install that conforms to uneven surfaces. The grille is anodized aluminum, not steel. It will not rust like magnetic grilles. The FastLoc™ feature prevents the grille from falling off even in earthquakes and does not collect ferric dust on magnets that cause multiple sunbursts around the edge.

The speaker grille color is white, and is a close match to Frazee White Shadow 181. It can be painted to match any décor. The speaker enclosure is a durable UV-resistant material that allows for both indoor and outdoor installations. Unlike other grilles that use magnets to hold them on they must be made of steel that will rust. The perforated powder-coated aluminum alloy grill is long-lasting, corrosion resistant and rust-free.

Four built-in expanding transverse dog leg clamps permit installation with or without pre-wire construction brackets in drywall or material with thickness of 7/32" to 1 3/16".

Electrical connection, up to 12 gauge wire, is made by two gold plated constant tension spring-loaded terminals. The CECS65DT uses standard spring-loaded red/black push terminals.

With our limited 5 year warranty you are assured years of superior trouble free operation.



SPECIFICATIONS for CSDTFL Series	CS650DTFL	CS800DTFL
Dual Voice Coil Drivers with Butyl Rubber Surround	MetaPlex Composite	MetaPlex Composite
Dual 1/4" Dome Tweeters	Silk Ferrofluid Cooled	Silk Ferrofluid Cooled
Frequency Response	42Hz-20kHz	40Hz-20kHz
Power handling	5-100 Watts	5-125 Watts
SPL @ 1 Watt/1 meter	90 db	91 db
Impedance 8 ohm Nominal	Fixed Crossovers	Fixed Crossovers
Diameter x Depth	10 1/4"(260mm) X 3 7/8"(98.5mm)	11 1/4"(311mm) X 4 3/8"(111mm)
Retro-fit Cutout Diameter	8 1/4" (209mm)	9 3/4" (248mm)
Diameter FastLoc™ Grille	10 7/8" (276mm)	13" (330mm)

Part Number	92115 CS650DTFL; 92112 CS800DTFL
Manual URL	www.currentaudio.com
Accessories	NC6CB; NC8CB New Construction Bracket Volume Control ZL45R, ZL60S, SpeKap



CS800DTFL



CS650DTFL



CS650DTFL



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www.currentaudio.com

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1830 John Towers Avenue El Cajon, CA 92020 Sales 866-927-7181

Specifications subject to change without notice.

CSDTFL Series 10122011 RPA

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Packaging and Enclosed Parts

Please inspect your pack for damaged or missing parts. Notify your supplier if any discrepancies occur. The CS650DTFL, and CS800DT are packaged each with one speaker and one grille.

Only simple hand tools are required for assembly and installation.

Required tools: #2 Phillips screwdriver only, if you have new construction brackets previously installed.

Drywall Hand saw if no New Construction Brackets were installed. A saber saw may be required if you are cutting into plywood.

Painting the Speaker Grille

If grille requires painting, carefully remove the white scrim cloth on the inside of the FastLoc Grille and save for reinstallation. This cloth is provided for aesthetic purpose only. Either spray paint the grille or use a stiff stipple paint brush. Do Not clog the perforated holes as this will impede the acoustics of the speaker. No masking is required on the wall or speaker baffle like on conventional speakers. With this system the grille can be easily color updated anytime.

1 Cut Hole for FastLoc™ Speaker

Using the supplied Trace Template, place the cutout template against the ceiling and trace along the inside circle. It is suggested to cut a small pilot hole to verify no obstructions, such as pipes or beams, that could hinder the install.

Carefully cut out the ceiling material along the circle. A drywall saw is perfect for this step. Hold a box or trash can under your cutting to catch the debris.

NOTE: A stud finder may be helpful to locate the ceiling beams. You want to layout the hole to the side of any beams.



Trace Template

2 Connect Wires to FastLoc™ Crossover

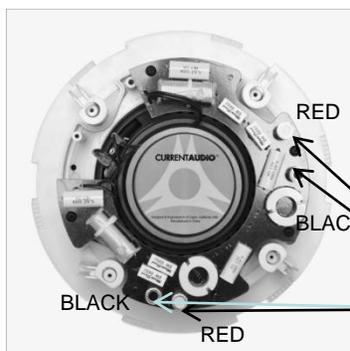
After you have cut your desired hole from the template, locate the four conductor speaker wire for the speaker. Pull enough wire slack down to attach the 2 conductor wire to the gold plated constant tension spring-loaded terminals.

Remove about 2" of the outer jacket then strip about 1/2" insulation from each of the four wires and slightly twist the strands to ensure all strands can be inserted into the hole. Refer to next picture for location of the gold plated constant tension spring-loaded terminals. Observe polarity.

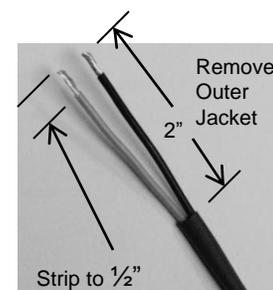
Push down on one of the RED (+) colored Terminal and insert the Red or copper colored conductor all the way up to the insulation into the hole at the bottom of the terminal. Now release your finger from the terminal. Next do the same to the Black (-) or silver colored conductor and insert into the BLACK colored Terminal. Now do the same on the second set of terminals. Make sure there are NO whiskers from the strands that could cause a short. The other end of these wires will be connected to your amplifier or volume control.

Note: If using a four conductor your wire color may be White (+) and Green (-).

You now have a connection with the proper tension for continued operation that will not wiggle out or cause poor connection.

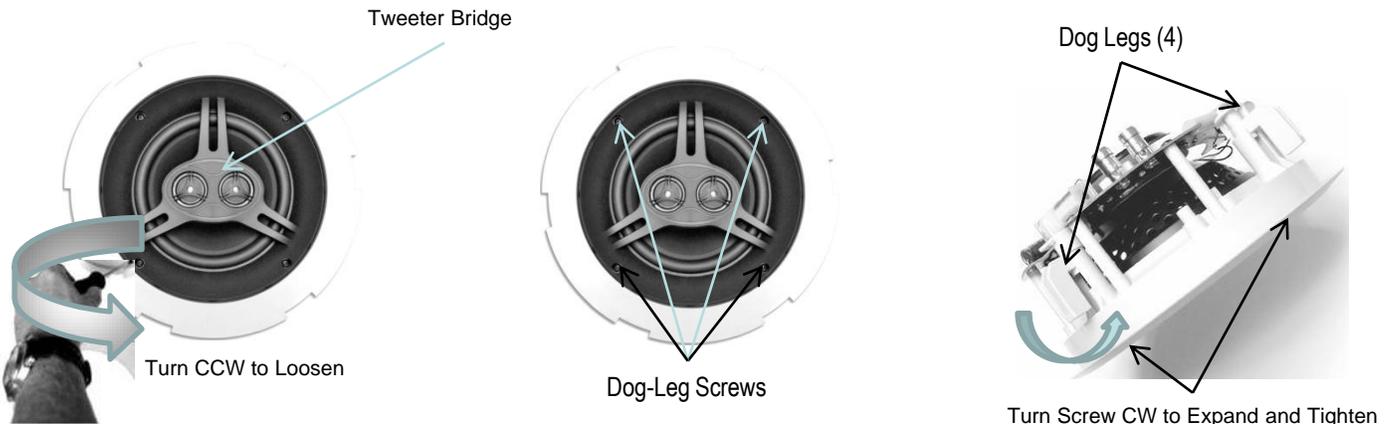


Gold Plated
Constant Tension
Spring-loaded
Terminals



3 Prepare the FastLoc™ Speaker for Install

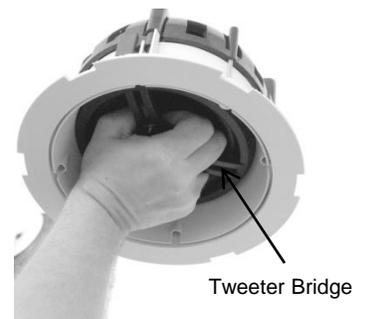
With the grille removed, loosen the four (4) Dog-Leg screws a ½ turn counterclockwise with a #2 Phillips screwdriver. If using a power drill start on the lowest torque setting then move up. After loosening the dog-legs return the drill to the lowest setting.



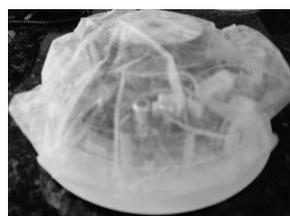
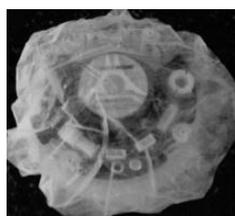
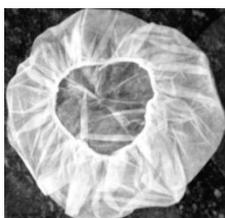
4 Install FastLoc™ Speaker

- Grab and hold the speaker by the built-in Tweeter Bridge Handle as shown. Do Not put fingers into the tweeter material in the center of the speaker.
WARNING! Denting or deforming the tweeter dome will change the acoustics of the speaker.
- Insert the connected speaker into the ceiling hole and with a #2 Phillips screwdriver tighten the four (4) Dog-leg screws (clockwise) until the Dog-legs open and clamp the speaker to the ceiling. If using a power drill or electric screw gun use the **lowest** torque setting. Over tightening may cause improper fit of the grille, damage to drywall and or damage to speaker.
- No adjustments to the tweeters are necessary. They are precisely angled for maximum blended stereo dispersion.

NOTE: If you have blown-in insulation and/or a potential rodent problem I suggest you install the SpeKap. It is a breathable membrane that will keep rodent droppings, debris, and insulation from entering the back of the speaker that could change the performance of the speaker. See figure on next page.



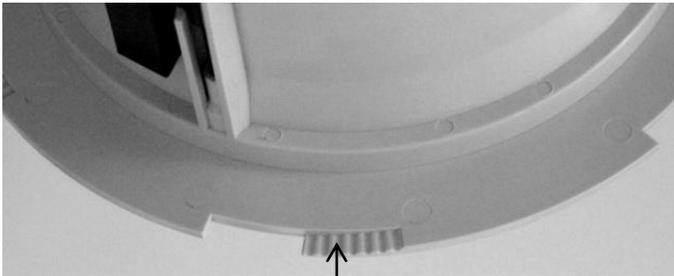
SpeKap
Breathable Membrane
Keeps Debris, Rodent Droppings, insects and Insulation
out of the Speaker



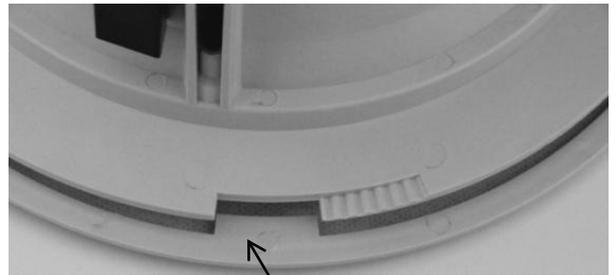
5 Install FastLoc™ Grille

Identify the six (6) speaker detents and notches on the speaker.

1. Align the grille tabs with the notches on the speaker
2. Turn the grille clockwise (CW) until the grill is snug and conforms to your surface. There should be no shadow around the FastLoc™ grille.
3. You will hear clicks as the grille locks in place.



Speaker Detents



Grille Tab



Step 1, Align Tabs to Notches



Step 2, Twist CW



Step 3, Rotate and Lock

Limited 5 Year Warranty

Current Audio, LLC speakers and accessories are warranted to be free from defects in materials and or workmanship to the original retail purchaser for a period of 5 years provided the equipment was purchased and installed from a Current Audio, LLC Authorized Dealer.

In the event of defective materials and or workmanship, Current Audio, LLC will, without charge, repair or replace, at its option, the defective product. In order to make claim under this Warranty and to obtain performance of any obligation under warranty, please contact Current Audio. Instructions will be given on how to return the defective product to Current Audio. Returned products must be shipped prepaid. Proof of purchase must be provided with the product.

The Warranty does not apply to damage not resulting from defective materials and or workmanship while in the possession of the original consumer or due to unreasonable use by the original consumer, which includes but not limited to improper installation, negligence, unauthorized repair or modification, aesthetic deterioration from the environment. Products purchased by unauthorized sources will void the warranty and not be honored.

Current Audio, LLC is not liable for any incidental or consequential damages, so the above limitations or inclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state within the United States.