

# Artison

## Artison In-Ceiling Speakers Quick Reference Guide

### Box Contents

- (1) ARCHT-x-xx (Artison In-Ceiling Speaker)
- (1) Cardboard Template/Plastic Compass
- (1) Magnetic Grille

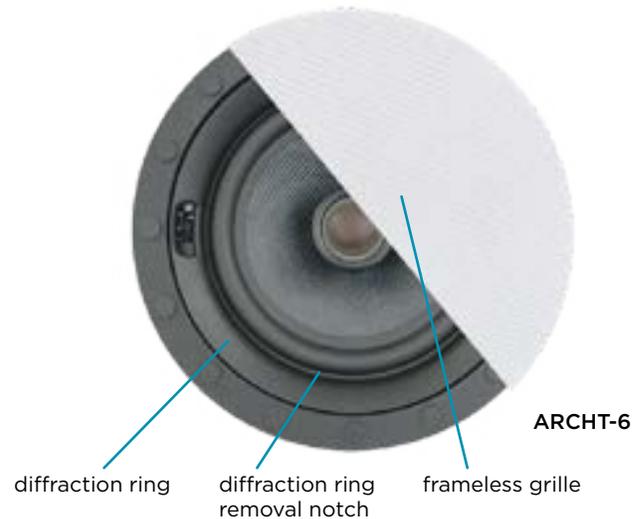
### Specifications

Environmental			
Temperature	32° to 122° F (0° to 50° C)		
Humidity	0% to 95% Relative Humidity (non-condensing)		
Dimensions and Weights			
Shipping Dimensions	Height	Width	Depth
ARCHT-6	10 in	10 in	14 in
ARCHT-6-SSTT	7.25 in	10.5 in	10.25 in
ARCHT-8	12.25 in	12.25 in	14.25 in
ARCHT-8-SSTT	7.25 in	12.5 in	12.25 in
Diameter	<b>ARCHT-6:</b> 8-7/16 in <b>ARCHT-8:</b> 9-7/8 in		
Weight	Shipping: <b>ARCHT-6:</b> 8.0 lb (3.63 kg) <b>ARCHT-6-SSTT:</b> 4.0 lb (1.81 kg) <b>ARCHT-8:</b> 13.0 lb (5.90 kg) <b>ARCHT-8-SSTT:</b> 7.0 lb (3.18 kg)		
Operating Parameters			
Frequency	<b>ARCHT-6:</b> 45 Hz - 20 kHz +/- 3 dB		
Response	<b>ARCHT-8:</b> 35 Hz - 20 kHz +/- 3 dB		
Sensitivity	<b>ARCHT-6:</b> 86 dB 1 W/1M <b>ARCHT-8:</b> 91 dB 1 W/1M		
Regulatory			
RoHS	Compliant		

### Preparation

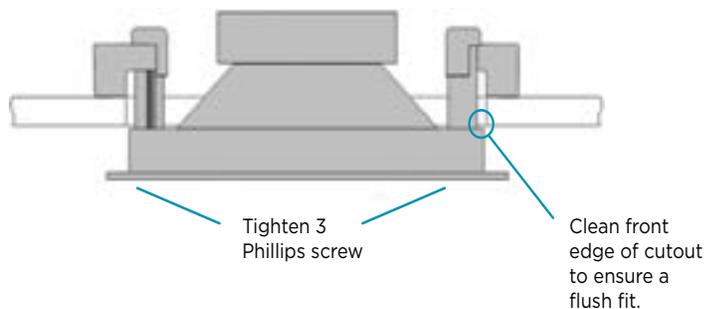
- The speaker cable must be at least 16 gauge or larger and double insulated for runs over 50 feet (15m).
- Ensure that the toggle clamps are rotated inward to their HOME position prior to installation.
- The edge of the speaker holes must be at least 3/4" (19mm) away from joists or studs whenever possible to allow clearance for the toggle clamps.
- Use the cardboard template or the plastic compass provided with your speaker to draw the speaker cut-out. The cut-out sizes and in-wall depth measurements are detailed below:

	Diameter	Depth
ARCHT-6	7-1/4 in	3-9/16 in
ARCHT-6-SSTT	7-1/4 in	3-5/16 in
ARCHT-8	8-5/8 in	4 in
ARCHT-8-SSTT	8-5/8 in	3-7/8 in



### Installation

1. Using the proper tool, cut the appropriate sized hole in the ceiling.
2. Pull the end of the speaker cable through the speaker cut-out, strip back a section of the jacket as needed, and then expose 12" (13mm) of each conductor.  
**NOTE:** To aid in speaker performance, a fibrous material, such as fiberglass or polyester fiber, at this point can be placed behind the speaker.
3. Connect the wire conductors to the terminals on the back of the speaker by depressing each spring terminal, inserting the wire into the hole, and releasing the terminal.  
**NOTE:** Single-Point speakers have both the left and right channel connections on the same speaker. Ensure that both channels are connected and in phase.
4. Insert the speaker into the hole and orient the speaker towards the listening area.
5. Turn each screw clockwise. The toggle clamps will rotate outward to engage the ceiling material as shown.



### NOTES:

- Grilles can be painted using multiple light coats of spray paint. Grilles should be removed from the speaker and painted in a clean environment to prevent contamination.
- Grilles are magnetically attached, and resistance will be felt when removing them.
- The Mid Frequency (MF) switch is on the left and the High Frequency (HF) switch is on the right, when looking at the foam surface when the speaker is installed in the ceiling. Moving the switches to the left decreases the level and to the right increases the level.