INSTRUCTION / INSTALLATION SHEET
evōQ™ 7000 6.5” Outdoor Speakers

301 Fulling Mill Road, Suite G
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IS-0263 Rev. D

1. INTRODUCTION

On-Q/Legrand offers 6.5” evōQ™ 7000 Outdoor Speakers for external wall mounting on provided brackets. These speakers (P/N HT7653-WH for white and P/N HT7653-BK for black) see ***Figure 1***), are sold in pairs and are optimized for outdoor audio distribution (central sound). They feature 6.5” Glass Fiber woofers and aluminum tweeters. The provided brackets allow the speakers to be adjusted for sound direction.

Disclaimer: Make sure you are in compliance with local building codes before installing these speakers. These On-Q evōQ™ 7000 Speakers are designed for outdoor applications and are also suitable for other moisture rich environments such as bathrooms or saunas.

Figure 1

2. DESCRIPTION

The On-Q evōQ™ 7000 Outdoor Speaker is made of a tough semi-flexible plastic and also features a perforated aluminum grill. The brackets are powder coated aluminum with brass fasteners and stainless steel screws.

3. INSTALLATION

NOTE: It is recommended that a minimum of 16 gauge, 2 conductor wire be used for most applications from the amplifier or volume control to the speaker. Different gauges can, and should, be used based upon the distance of the intended run or quality of installation (see ***Figure 2***)

Distance	Gauge
<10 Feet	18
10-50 Feet	16
>50 Feet	14

Figure 2

NOTE: The On-Q/Legrand lyriQ™ Audio components all accommodate wire gauges from 18 to 14.

A. For pre-wire, run x/2 conductor (x=gauge) stranded speaker wire from the distribution/volume control to each outdoor speaker location.

B. Drill a hole large enough to accommodate the speaker wire through the outside wall at an appropriate location for each outdoor speaker, and place each speaker wire from the volume control through the hole to the outside. Leave at least a foot of wire outside, and seal the hole with caulk.

C. Place the speaker wire through the hole in the center of the evōQ™ 7000 Outdoor Speaker bracket, and mount the Outdoor Speaker brackets to the outside wall using two screws per bracket (see ***Figure 3***), and the appropriate retention device (i.e. masonry inserts for a masonry wall).

Figure 3

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D. Strip off 3 inches or so of the speaker cable jacket to expose the positive and negative insulated wires. Strip 3/8-1/2 inch of insulation off of these conductors.

NOTE: It is a good practice to coat the wire with a corrosion preventing gel. This will prevent oxidation and limit wicking of moisture through the cable.

E. Hold the speaker with one hand, (if speaker grill is off, pay careful attention **not** to push on the woofer’s cone, this can cause permanent contortion of the voice coil, thus producing a mechanical rubbing sound or speaker failure) unscrew the Red and Black screw terminals, insert the bare speaker wires through the hole in each post, and tighten each screw terminal. Be sure to have the positive wire in the RED terminal and the negative in the BLACK (***see Figure 4***). As you tighten each screw terminal wiggle the wire and tighten some more.

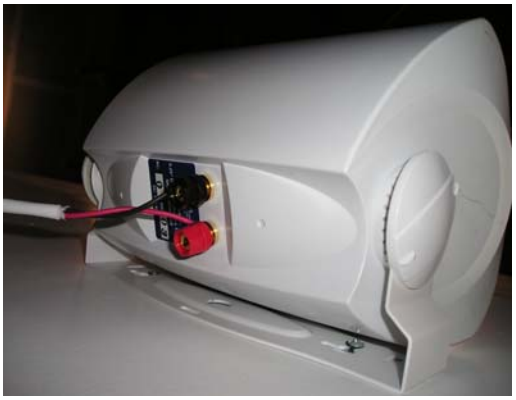

Figure 4

NOTE: Wiring both speakers identically as the above instruction states will yield speakers that are “in phase”. If one speaker is wired opposite of the other, the speakers will be “out of phase” with one another. If the speakers are “out of phase” the sound might appear smeared (canned) and a significant loss of bass might be noticeable due to phase cancellation. Make sure every installed speaker is correctly phased.

F. Once the speakers are wired correctly, attach them to the bracket with the large round retainers provided with the speakers (see ***Figure 5***). The retainers allow the speakers to be rotated in the bracket to direct the sound output.

Figure 5

Speaker Specifications

	evōQ™ 7000
Size/Type	6.5" Outdoor
Efficiency	89dB
Power (RMS/Peak)	100W/200W
Frequency Response	55-20K
Woofer Type	Glass Fiber
Tweeter Type	Alum. Adj.

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