

Assembly Instructions **ATW-RA1** Rack-Mount Antenna Kit

For use with Audio-Technica 7000, 1900, 1200, 1100, 1000 and PRO 200 Series wireless systems, and ATW-D12a, ATW-D70 and ATW-D90 antenna distribution systems.

This kit contains the hardware necessary for connecting a pair of swiveling, extendible, front-mount antennas to one Audio-Technica ATW-R73, ATW-R19, ATW-R12, ATW-R11, ATW-R10 or PRO-R2 rack-mounted diversity wireless receiver, or ATW-D12a, ATW-D70 or ATW-D90 antenna distribution system.

The following parts are included:

Use with Model

Item	Description	Qty	ATW-R73	ATW-R19	ATW-R12	ATW-R11	ATW-R10	PRO-R2	ATW-D12a	ATW-D70	ATW-D90
1	Extendible antenna	2	●	●	●	●	●	●	●	●	●
2	Hex nut	2	●	●	●	●	●	●	●	●	●
3	Star washer	4	●	●	●	●	●	●	●	●	●
4	Large fiber washer	4	●	●	●	●				●	●
5	Small fiber washer	2	●	●	●	●		●		●	●
6	Rack ear	2					●		●		
7	Antenna cable	2	●	●	●	●	●	●	●	●	●
8	Screw	2	●	●	●	●	●	●	●	●	●
9	BNC adapter	2	●	●						●	●

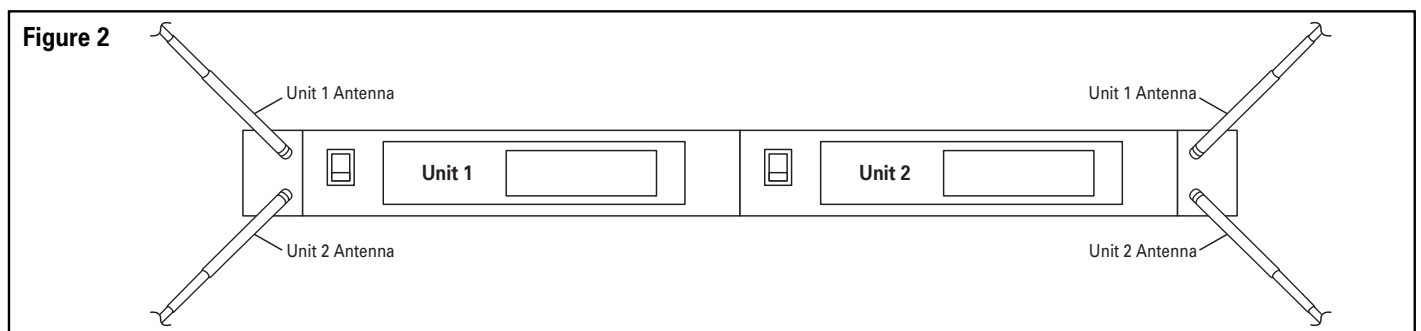
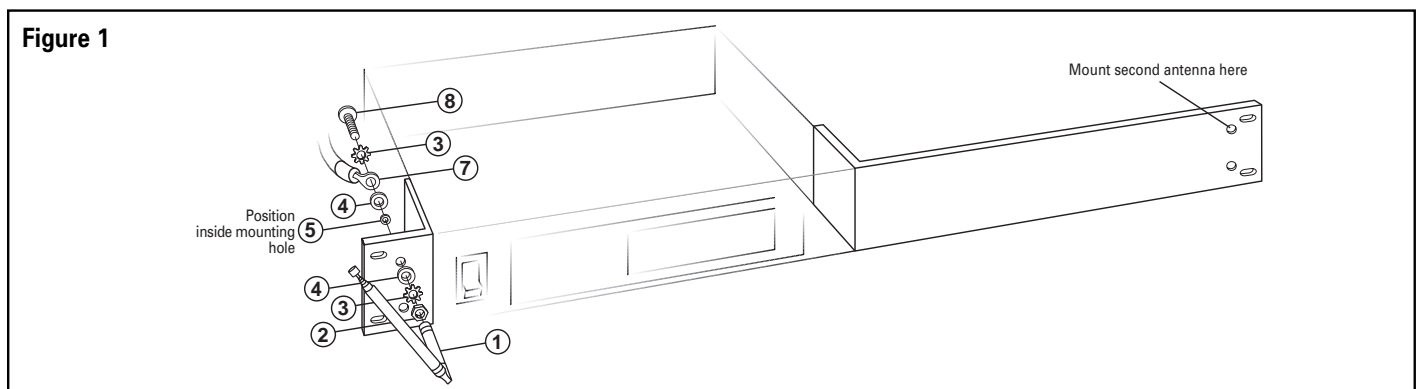
Note: Not all parts are required for each receiver/antenna divider. Keep the unused parts in case you need to use the ATW-RA1 with a different model Audio-Technica receiver/antenna divider at a later date.

Installation

1200 Series ATW-R12 Receiver Using the rack ears provided with the ATW-R12 receiver, assemble the antenna adapters as shown in Figure 1. For best reception, the antennas should be *fully extended* and positioned in the shape of a "V" (45° from vertical).

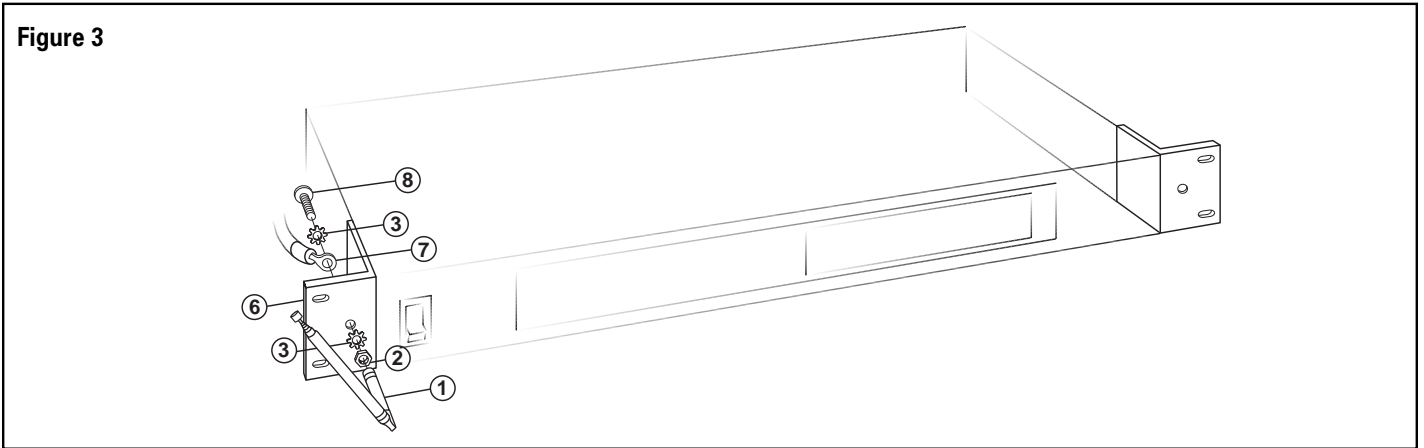
Note: If two ATW-R12 wireless receivers are to be mounted side-by-side, two ATW-RA1 kits and one AT8628 mounting plate are required. Use only the short rack ear provided with each receiver. Each rack ear has two pre-drilled mounting holes to allow one antenna from each receiver to mount on each rack ear (four antennas total). Do not mount two antennas from the same receiver to one rack ear, as this will inhibit diversity reception (Figure 2).

7000 Series ATW-R73 Receiver Same as above except use BNC adapter to attach cable to receiver antenna jack. Do not extend the antennas; use them fully collapsed.



1000 Series ATW-R10 Receiver or ATW-D12a VHF Antenna Distribution System Using the rack ears included with this kit, assemble the antenna adapters as shown in Figure 3. For best reception, the antennas should be *fully extended* and positioned in the shape of a "V" (45° from vertical).

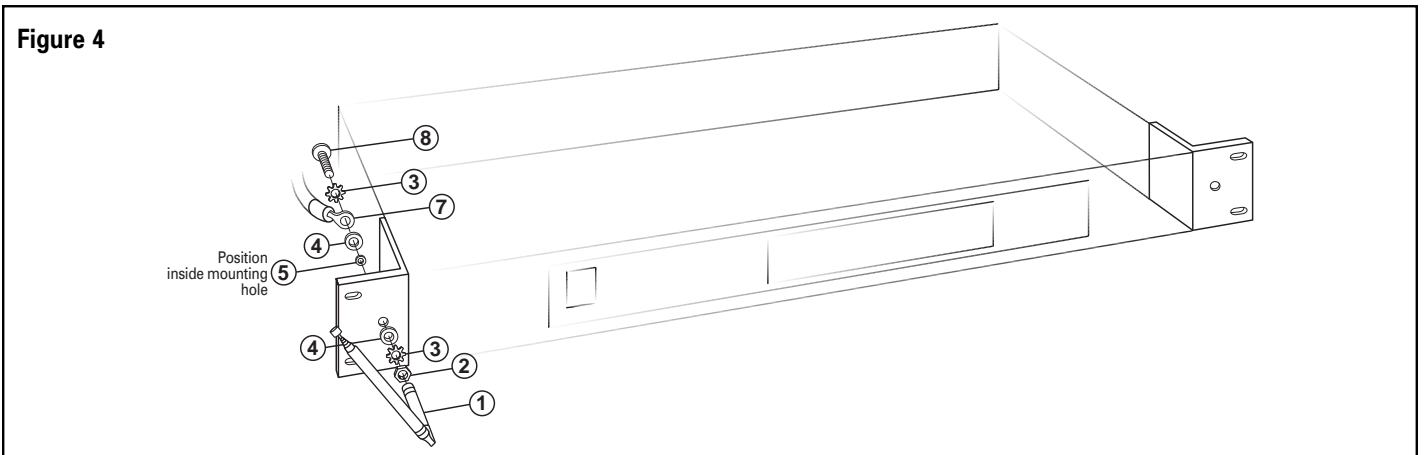
Figure 3



1100 Series ATW-R11 or PRO-R2 Receiver Using the rack ears provided with the receiver, assemble the antenna adapters as shown in Figure 4. For best reception, the antennas should be *fully extended* and positioned in the shape of a "V" (45° from vertical).

1900 Series ATW-R19 Receiver, ATW-D70 and ATW-D90 UHF Antenna Distribution Systems Same as above except use BNC adapter to attach cable to receiver antenna jack. *Do not extend* the antennas; use them fully collapsed.

Figure 4



After Installation

Make certain that the antenna cables' ring terminals are not in contact with any metal part of the equipment rack. Always rotate the antennas in the *clockwise* direction when positioning. This will ensure that the antennas do not become loose or intermittent.

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Extensive information about using wireless systems and accessories is available on the Audio-Technica Web site at www.audio-technica.com



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