TAS-2
Install Manual

Introduction

Thank you for purchasing the AtlasIED TAS-2 Temporary Audio System. This speaker/microphone system is designed to provide high intelligibility and coverage in applications including DJ/festivals, house of worship, public speaking, schools, temporary emergency staging areas, and other locations where fixed installation is not a requirement or is not possible including multi-purpose facilities.

This system has been configured for a fast installation that can be set up and functional in less than an hour.

Contents

(12) SM42-T 4" 2-way speakers
(12) T3664 stands
(4) Carrying bags for up to (3) mic stands; all wires and cables needed

(1) AC Power Conditioner (AP-C15D)

(1) Mixer Amplifier for Multi-Source Master Control (AA100PHD) with Message Repeater

(1) M600-DT Desktop Microphone

(1) Portable rack

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Speaker Placement

The first step in properly setting up the system is to determine the required area the speakers need to cover. The speakers can be placed in a straight line spaced up to 20' apart to cover a single field, see Figure 1.

The speakers can also be placed back to back to cover an area in two directions. Figure 2

The system includes twelve (12) speakers. The speakers can be used all together in combination based on need and area to cover making the system extremely versatile.
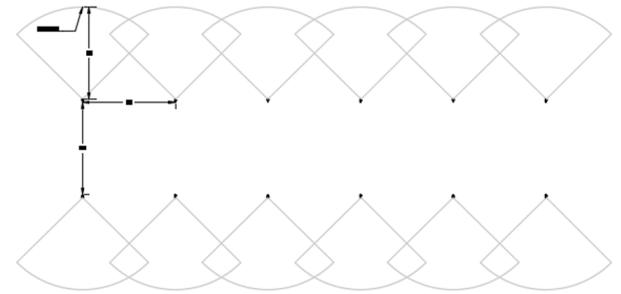
Once the speaker placement has been determined the T3664 speakers stands can be positioned.

CAUTION: The speaker stands MUST be positioned on a firm flat surface and the pole must be perpendicular to the ground.

NOTE: In windy areas AtlasIED strongly recommends placing sandbags on the legs of the stand. (Supplied by others)

1. Loosen the leg clamp knob and slide the clamp down the pole to extend the legs to their maximum diameter, then re-tighten the knob.

2. Loosen the top pole clamp and raise the inner tube 2" then retighten the clamp.

3. Place the SM42T bracket on the inner pole of the stand, install the nut on top of the bracket and tighten the nut so that the bracket cannot move. Position the speaker in the bracket and install the screw knobs on both sides of the speaker, aim the speaker toward the area that it needs to cover and then tighten the knobs. Repeat this process for the all speakers needed to cover the area. Figure 3
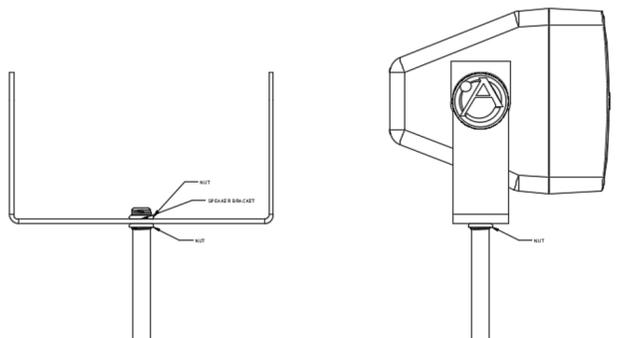
System Wiring

1. Setup the portable control rack at least 10' to one side of the first speaker, connect the microphone cable to the microphone and the "Mic In" connector on the back of the amplifier.

2. Unwind the included speaker wire located in the back of the control rack and route the end of the wire with bare copper ends to the closest speaker. Locate another spool of wire and connect them both to the first speaker as shown in Figure 4.

   NOTE: It may be necessary to adjust the Power Selector, confirm it is set to the 5W 70.7V setting before replacing the back cover. Figure 5

3. Continue wiring one speaker to the next until they are all connected. Figure 6

4. Locate the 120V, 15-amp power cord in the rear of the control rack and connect it to a suitable 120VAC, 15-amp receptacle.
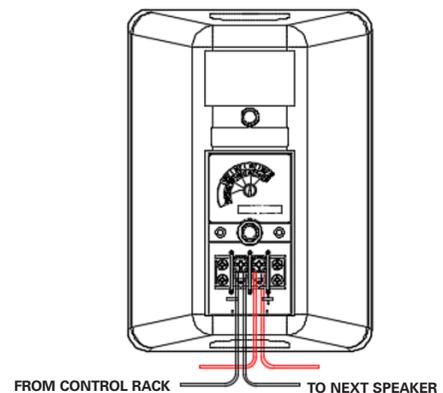

Figure 1

Figure 2

Figure 3

FROM CONTROL RACK   TO NEXT SPEAKER

Figure 4

System Setup

Please refer to Figure 7 for product identification.

1. Ensure all the level controls on the AA100PHD amplifier are all turned to zero (counterclockwise).

2. Turn on the AP-C15D's power switch

3. Press the power button on the AA100PHD amplifier

4. Turn the "Master Level" control up to 5

5. Press the button on the M600-DT microphone and begin speaking into the microphone while slowly turning up the "1" control on the AA100PHD amplifier until the appropriate audio can be heard from the speakers.

It is best practice to push the mic switch to the Off position after announcements are made and to turn the power switch to the Off position on the AP-C15D if the system will not be used for an extended period of time.

This system includes a built-in message repeater that can be used to make announcements that will need to be repeated on a regular basis. The message repeater does not contain any messages from the factory so a message will need to be stored in the unit before it can be used. Figure 8

Please refer to the attached install sheet for the RDL FP-MR2 message repeater programming instructions. Once the unit is ready to record a message, make sure the AA100PHD amplifier is turned on and the level controls 1 and Master are set to a volume that can be heard from the speakers.

Start the recording session on the FP-MR2 while pressing the talk button on the microphone and speaking directly into the microphone to record the message. Once the message has been recorded, press the start button on the FP-MR2 and slowly turn the 2 level control up on the AA100PHD until the recorded audio can be heard from the speakers.

Refer to the attached FP-MR2 install sheet for instruction for playing the recorded message on a timer schedule.
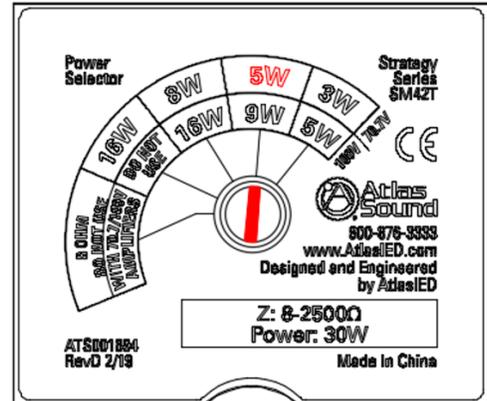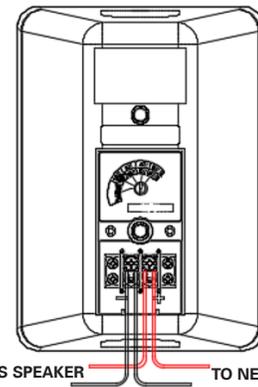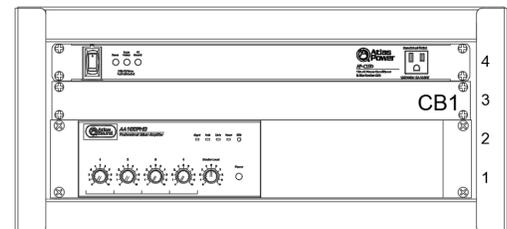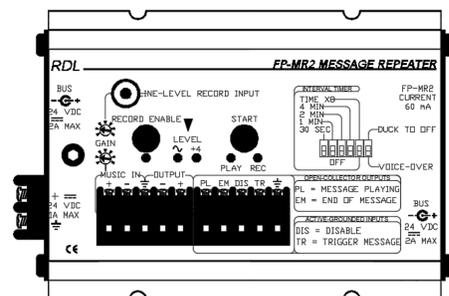

Figure 5

FROM PREVIOUS SPEAKER   TO NEXT SPEAKER

Figure 6

Figure 7

Figure 8