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AW-6P Quick Start Guide

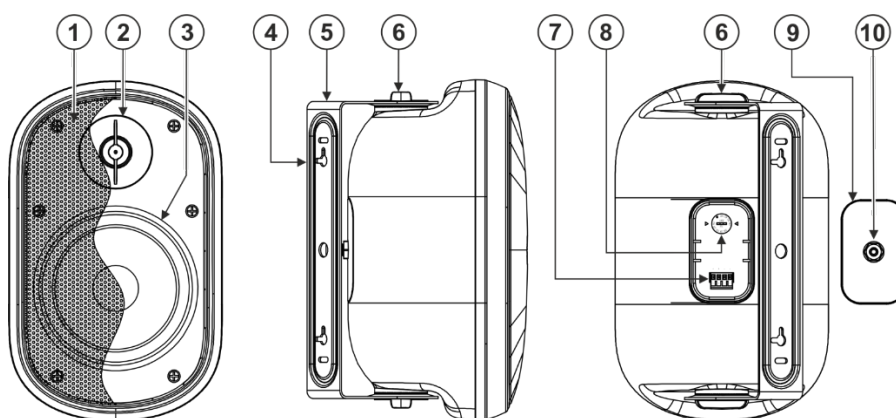
This guide helps you install and use your **AW-6P** for the first time.

Go to <http://www.kramerav.com/downloads/AW-6P> to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ✓ 1 AW-6P 6.5" All Weather Passive Speaker
- ✓ 1 mounting U-bracket
- ✓ 2 bracket knobs
- ✓ 1 4-pin pluggable Euroblock connector, 28-12AWG
- ✓ 1 Grommet
- ✓ 1 Quick start guide

Step 2: Get to know your AW-6P



| # | Feature | Function |
|----|--------------------------|---|
| 1 | Grill | Speaker's Grill |
| 2 | Tweeter | Emits high frequency sound |
| 3 | Woofer Driver | Emits low frequency sound |
| 4 | Keyhole Mounting Point | Use to attach the U-bracket to the wall. |
| 5 | U-Bracket | Use to mount the speaker onto a wall (allowing left/right rotation). |
| 6 | U-Bracket knobs | Use to fasten the U-bracket to the speaker (two knobs per bracket). |
| 7 | Terminal connector | 4-pin pluggable Euroblock connector, 28-12AWG for connecting the speaker cables |
| 8 | Transformer tap selector | For selecting between 8Ω low-impedance modes and 70V/100V high-impedance modes |
| 9 | Protective Cover | Protects speaker cables and tap selector |
| 10 | Cable Gland/Grommet | Waterproof cable passthrough and strain relief |

Step 3: Key Features

- Exceptional sound performance
- Low-impedance (8Ω) / high-impedance (70V/100V)
- Power handling: 30 W continuous / 45 W peak
- Sensitivity (1W@1m, free field): 87dB SPL
- Maximum SPL (@1m): Continuous 102dB SPL / Peak 104dB SPL
- IP-66 certified, UL1480A compliant
- Eco-friendly mono-material packaging

Step 4: Achieving the Best Performance

To achieve the best performance:

- Use only good quality speaker cables (we recommend Kramer high-performance, BC-2S cables and for plenum installations we recommend the low smoke halogen free cables, BC-2Sxx/LSHF).
- Do not secure the cables in tight bundles or roll the slack into tight coils
- Avoid interference from neighboring electrical appliances that may adversely influence signal quality

Step 5: Choosing the Best Location

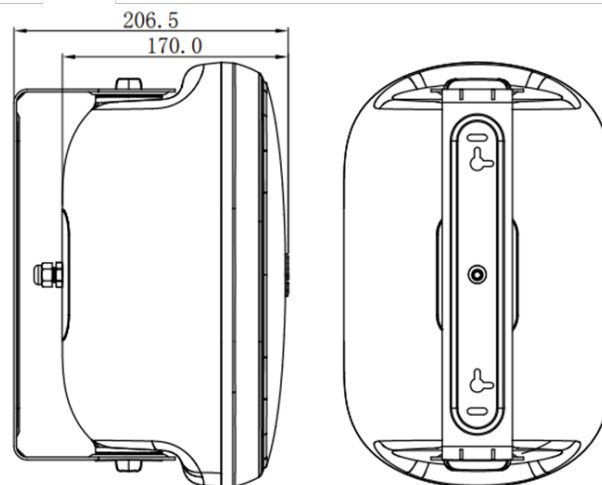
- Plan the location of the speakers based on the designated listening area, the height of the ceiling and dispersion angle of the speakers.
- Wall Type Suitability: Ensure the wall is appropriate for mounting the speaker weight.
- Obstruction Check: Verify the mounting location is free of obstructions like electrical piping, AC ducts, or water lines.
- Ceiling Clearance: Avoid placing speakers too close to the ceiling to prevent sound distortion.
- Avoid Reflective Surfaces: Minimize placement near glass, tiles, or other reflective materials to reduce unwanted echo or reverb.

Step 6: Unpacking

1. Carefully remove the speaker and mounting accessories from the packaging.
2. Inspect all components for damage before proceeding.
3. Dispose of the packaging materials according to regulations.

Step 7: Mounting the Speaker

1. Prepare the speaker cable – the recommended location is behind the central hole in the U-Bracket bracket.
2. Install the U-bracket in the designated location on the wall, for horizontal and vertical installations use the designated holes in the back of the bracket.
3. Mount the speaker to the U-bracket, secure it with the knobs (6) that are supplied with the speaker.
4. Adjust the required angle of the speaker and tighten the.



Step 8: Wiring the Speaker

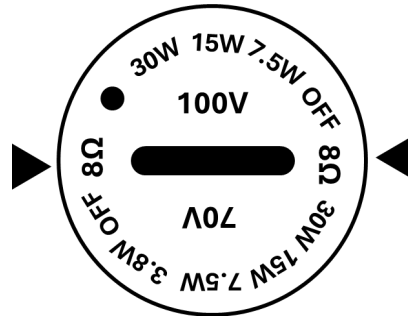
Your passive speaker features both low impedance (8Ω) and high impedance (70V/100V) modes. Understanding the difference is essential for safe installation and optimal performance.

- Plan the installation setup (low impedance or high impedance), in case of high impedance determine the rated power of the speaker.

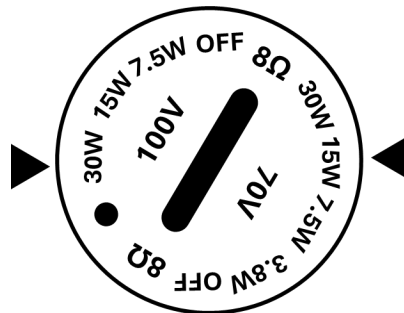
Setting up speaker power handling mode:

Your speaker includes a rotary transformer tap for setting the power handling mode.

- To set the speaker to 8Ω low impedance set the transformer tap so the 2 arrows will point at the 8Ω markings as shown in the picture:



- To set the speaker to a high impedance mode set the transformer tap to the desired power rating as shown in the picture. In this example, if the speaker will be connected to a 100V line its power rating will be 30W and if connected to a 70V line its power rating will be 15W.



- Connect the speaker cables to the terminal block and the terminal block to the speaker.



Always power off the amplifier before changing transformer tap settings or connecting the terminal connector to the speaker.



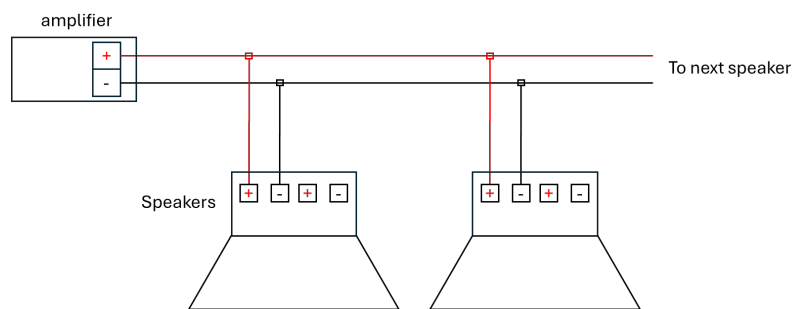
Always check amplifier compatibility before connecting (impedance setup, power ratings).



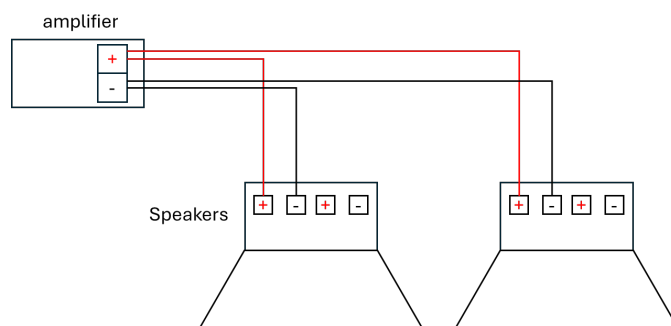
Verify that the polarity of the wiring at the amplifier side and at all the speaker is correct, we recommend using color coding: red for + and black for -.

Parallel Wiring and Daisy Chain Installations

Parallel Wiring



Parallel Wiring - Separate Cables



Daisy Chain Wiring

