



Harmony 2

Wireless Multi Speaker System



Interactive User Guide

Version 2.5



Start Setup



Activate Free
24-Month Warranty

< Back



Main Menu

1. Before You Start

2. Connect to Audio Source

3. Use All 3 Speakers

4. Placement Tips

5. Advanced (Optional)

- Add Speakers
- Use as Bluetooth Speaker
- Use with Wireless Microphone
- Extend Range

6. Buttons & Indicators

7. Troubleshooting

8. Register & Support



PDF Manual



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Next

1. Before You Start

Multi-Room Audio:

Stream one source to multiple synced speakers.

Easy Setup:

Power on, audio plays automatically.

Stay in Range:

Phone-to-transmitter $\leq 3\text{m}$ (10ft)

Speaker-to-transmitter $\leq 20\text{m}$ (65ft),
line of sight.

Speaker Limit:

No Auracast support, not compatible
with Harmony A series;

Only [Harmony 2 speakers](#) supported.

[Next](#)

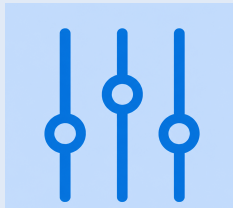


2. Connect to Audio Source

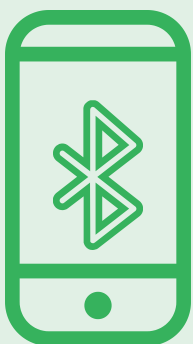
- 1 Connect transmitter to power and switch to ON.
- 2 Choose your audio source:



TV / Media Device



Mixer / AV System



Bluetooth



TV / Media Device

- 1 Slide the Transmitter "Audio Input" to OPT/AUX → **OPT** LED blinks **white**
- 2 Plug Optical cable into the transmitter and source device.
- 3 For **Optical** connection users

1 Audio Output

✓ **Optical**

2 Digital Audio Output

✓ **PCM (Required)**

If set to **PCM**, you're all set.



*Not sure how to **set PCM**?*

Check [brand-by-brand TV guide](#) ↗

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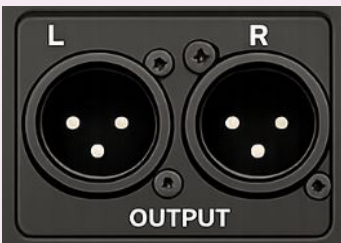
Mixer / AV System



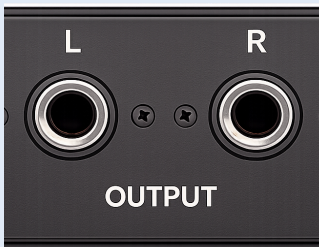
IMPOTRTANT

Using the wrong cable may cause low volume, missing vocals, or poor sound quality

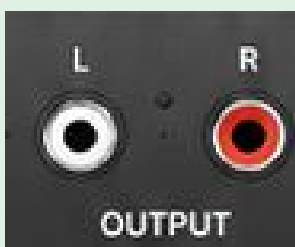
- 1 Slide the Transmitter "Audio Input" to OPT/AUX → **AUX** LED blinks **white**
- 2 Check your mixer output type.
- 3 Choose your mixer output:



XLR Output



6.35mm Output



RCA/3.5mm Qutput



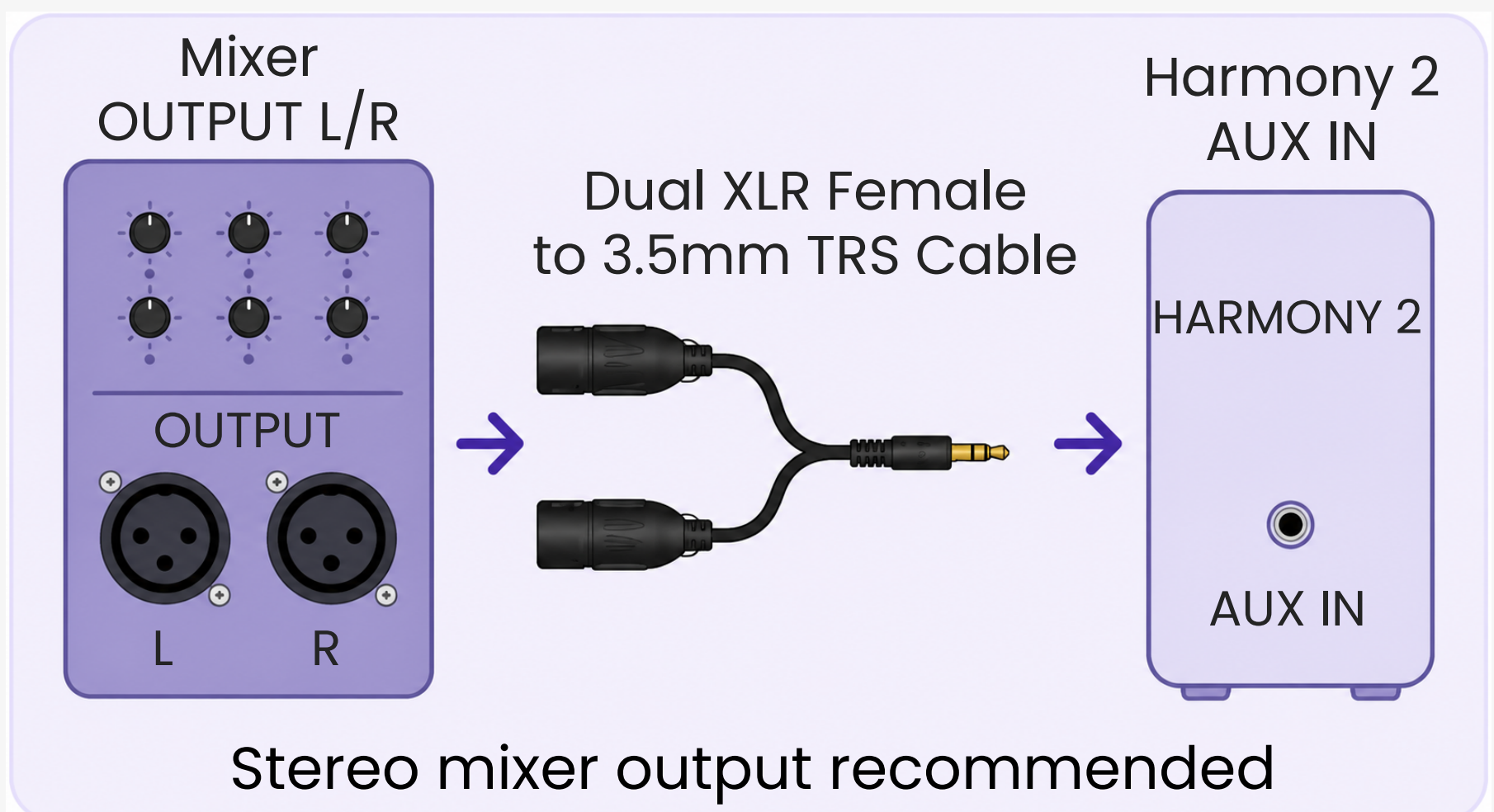
Dual XLR Output



IMPORTANT

Wrong XLR cable may cause low volume, missing vocals, or poor sound quality.

- 1 Use a dual XLR female to unbalanced 3.5mm TRS cable.
- 2 Connect mixer OUTPUT L / R to Harmony 2 transmitter AUX IN.



XLR cable not included.

[Buy separately if needed ↗](#)

Next

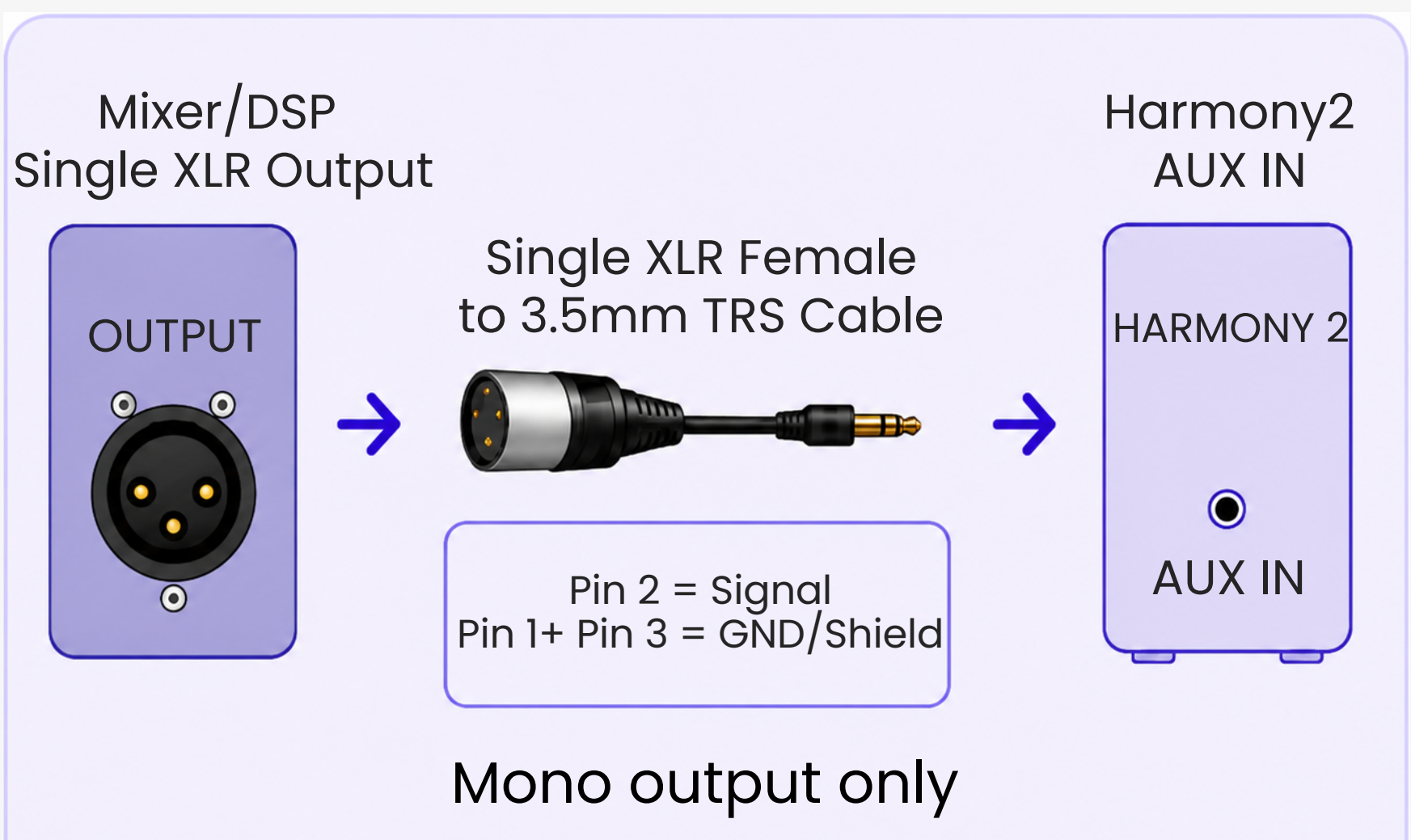
Single XLR Output



IMPORTANT

Single XLR output is MONO only.
Wrong XLR cable may cause low volume or poor sound quality.

- 1 Use a single XLR female to unbalanced 3.5mm TRS cable.
- 2 Connect mixer OUTPUT to Harmony 2 transmitter AUX IN.



XLR cable not included.

[Buy separately if needed ↗](#)

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6.35mm Output

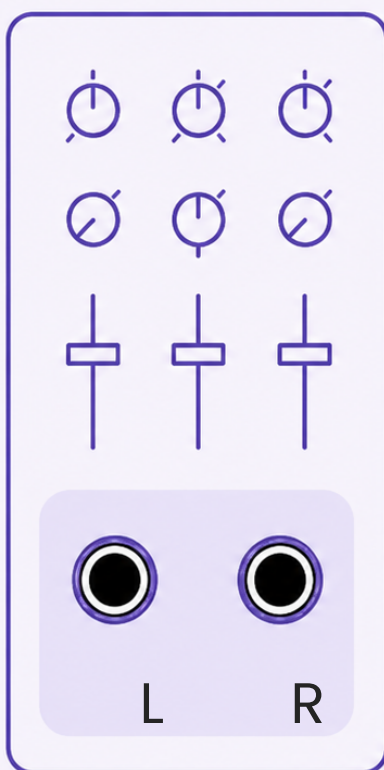


CHECK CABLE TYPE

Using the wrong cable may cause poor sound quality.

- 1 Use the included dual 6.35mm to 3.5mm cable.
- 2 Connect L and R outputs to Harmony 2 transmitter AUX IN.

Mixer/AV System

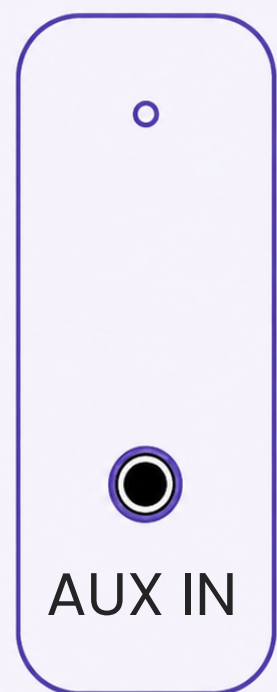


6.35mm Outputs

Dual 6.35mm
to 3.5mm Cable



HARMONY 2
AUX IN



AUX IN

Best option for many mixers



This cable is not included in the box.

[Contact support if needed](#) ↗

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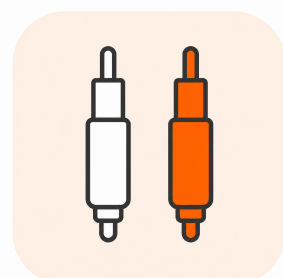


RCA / 3.5mm Output



IMPORTANT

Choose the correct output and cable. Wrong cable may cause poor sound quality.



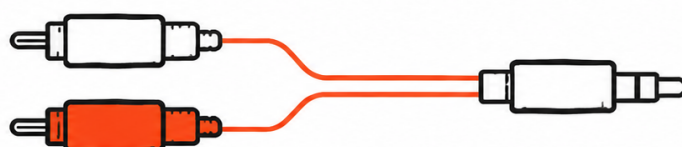
RCA OUT

Use an RCA to 3.5mm cable.



RCA L/R

...



...



HARMONY 2
AUX IN



RCA cable not included.

Buy separately if needed ↗



3.5mm OUT

Use the included 3.5mm to 3.5mm cable.



3.5mm OUT

...



...



HARMONY 2
AUX IN



Included in the box.

Next

Connect Using Bluetooth

◆ Keep phone close to transmitter

- 1 Slide Transmitter "Audio Input" to "Phone" → "Phone" LED blinks.

If not, hold "Phone" button for 3s to pair.

- 2 Pair with your phone.
- 3 Start playing audio.



! Better Experience

- Use wired audio input for best stability
- Bluetooth range: **1–3 m (3–10 ft)**

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3. Use All 3 Speakers

❶ Turn on speakers

Hold  for 3s → "**Broadcasting mode**"

- *If not, double-press **M** button.*

❷ Wait for connection

✅ **Connected:** LED turns **solid white**



Can't connect? [Tap to fix](#) ↗

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Speakers won't connect?
Re-pair the transmitter and speakers.

① Put transmitter into pairing

- Hold "Add Devices" for 2s → Add Devices LED blinks white

② Put speakers into pairing

- Ensure they're in **Broadcasting** mode
- Hold **M** for 5s → LED blinks **white**

⚠ Bluetooth mode will **NOT** connect

✅ **Connected:** LED stays **solid white**



Next

4. Placement Tips

① Transmitter

Place in the center

- Clear line of sight
- Up to 65 ft

② Phone

⚠ Keep next to transmitter

✗ Do not keep in pocket

[Next](#)

5. Advanced (Optional)

5.1 Add Speakers

❶ Put transmitter into pairing

- Hold "Add Devices" for 2s → Add Devices LED blinks white

❷ Put speakers into pairing

- Ensure they're in **Broadcasting** mode
- Hold **M** for 5s → LED blinks **white**

✅ Connected → LED solid **white**

Supported Avantree Devices:



[Harmony-Extra](#)



[Duet-Extra](#)



[Audiplex Receiver](#)

⚠️ Harmony A Series are **NOT** supported.

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5.2 Use as Bluetooth Speaker

- ❶ Turn on speaker → Broadcasting mode
LED blinks white.
 - ❷ Double-press **M** → to switch Bluetooth
mode LED blinks red & blue (pairing)
 - ❸ Turn on Bluetooth on phone, and select
"Avantree Harmony 2".
- ✅ LED stays **solid blue** = Connected



-  Bluetooth = single speaker only

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5.3 Use with Wireless Microphone

Use a wireless microphone to broadcast your voice to all Harmony 2 speakers.

Recommended:  [Avantree FreeMic Duo](#)

- ❶ Connect 3.5mm cable to mic receiver.
- ❷ Plug receiver's **AUX OUT** into transmitter's **AUX IN**.
- ❸ Turn on the mic & mic receiver, and start speaking.



⚠ Music playback and microphone audio cannot be used simultaneously.

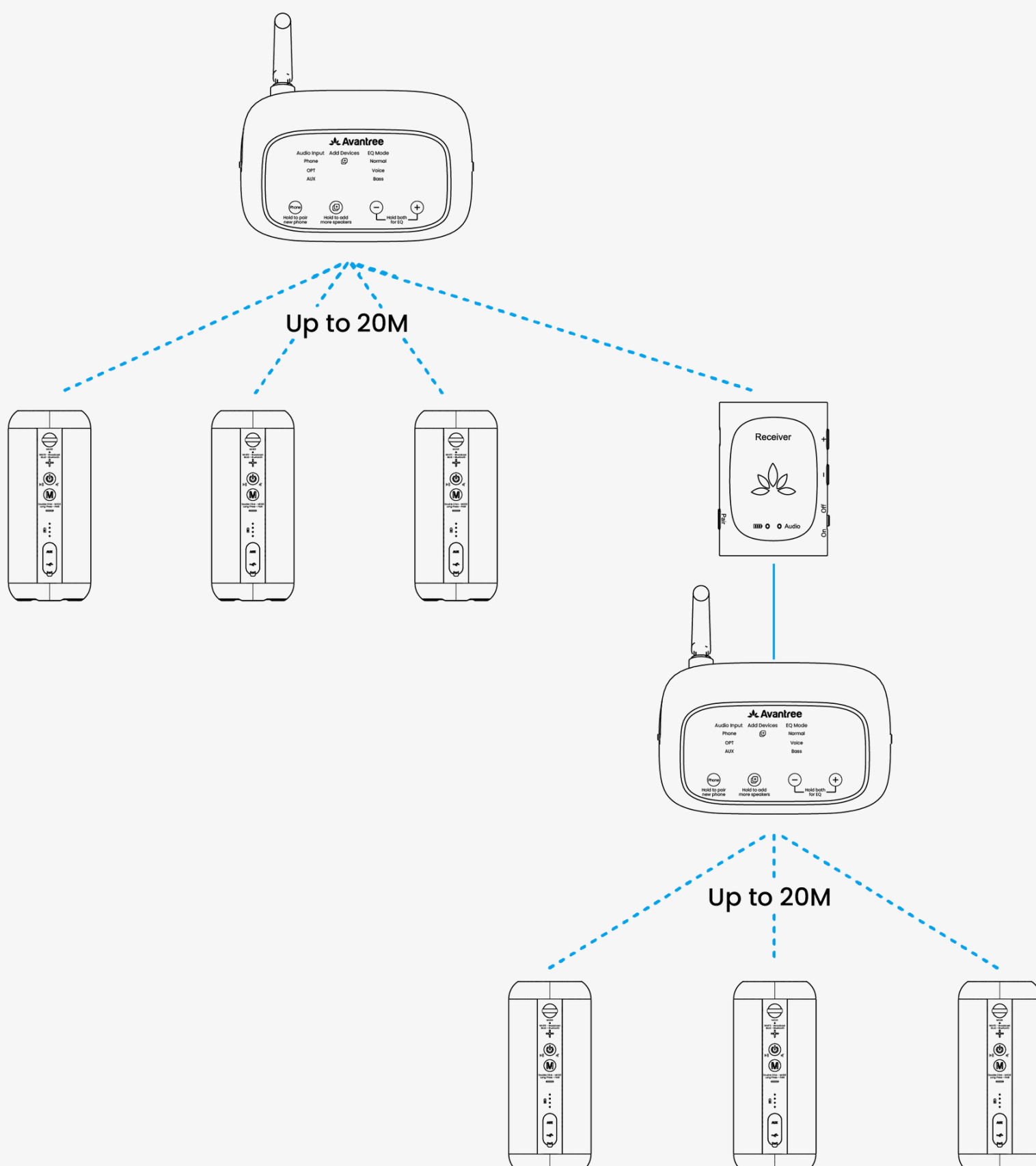
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5.4 Extend Range

Use **Daisy Chain** to expand coverage

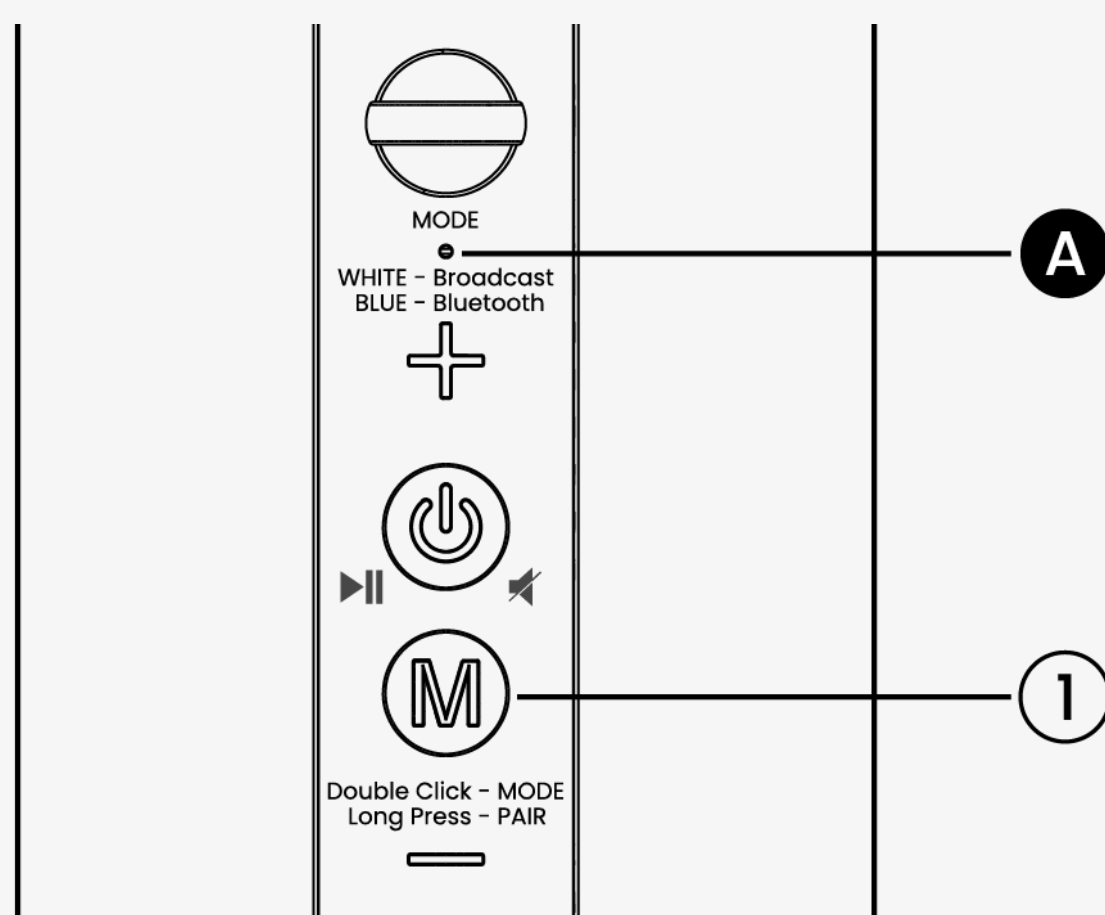
Typical setup:

2 x Harmony 2 + 1 x Audiplex



6. Buttons & Indicators

6.1 Speaker



A LED

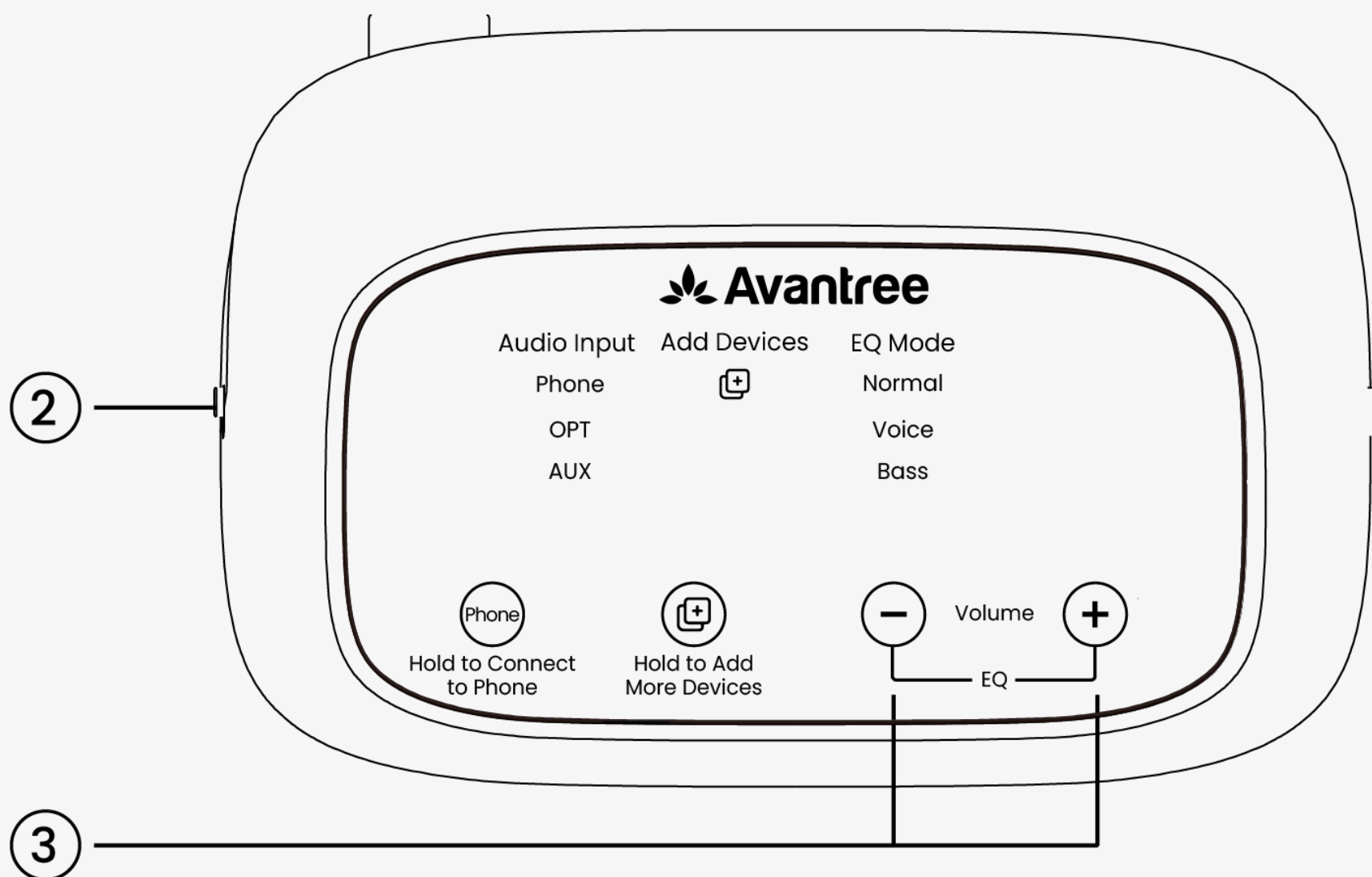
- **Solid White** → **Broadcast** connected
- **Solid Blue** → **Bluetooth** connected

1 M Button – Mode Switch

- Double-press M = Switch
Broadcast/ Bluetooth

Next

6.2 Transmitter



② Audio Input

- Slide to Phone or OPT/AUX

③ Switch EQ Modes

- Press both + & -

[👉 Full Buttons & Indicators Guide](#)

Next



7. Troubleshooting

Common Issues

- [Fix audio cutting out](#)
- [Use with wireless microphone](#)
- [Keep speakers always on](#)

 [More FAQ & Help](#) ↗

 *Still need help?* [Contact support](#) ↗

Next



8. Register & Support

Register Your Product

Extended warranty & get updates.

Get 24M Warranty

Need help? Contact Us



Email

support@avantree.com



Call



USA (Toll Free)

+1 800 232 2078



Other Regions



Chat



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Did this guide **help you?**

Your feedback goes directly to our team.

It helps us improve future guides and products.

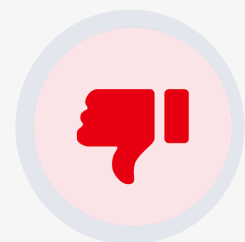
Takes **less than 10 seconds.**



Helpful



It's OK



Need Help



Thank you for helping us improve.