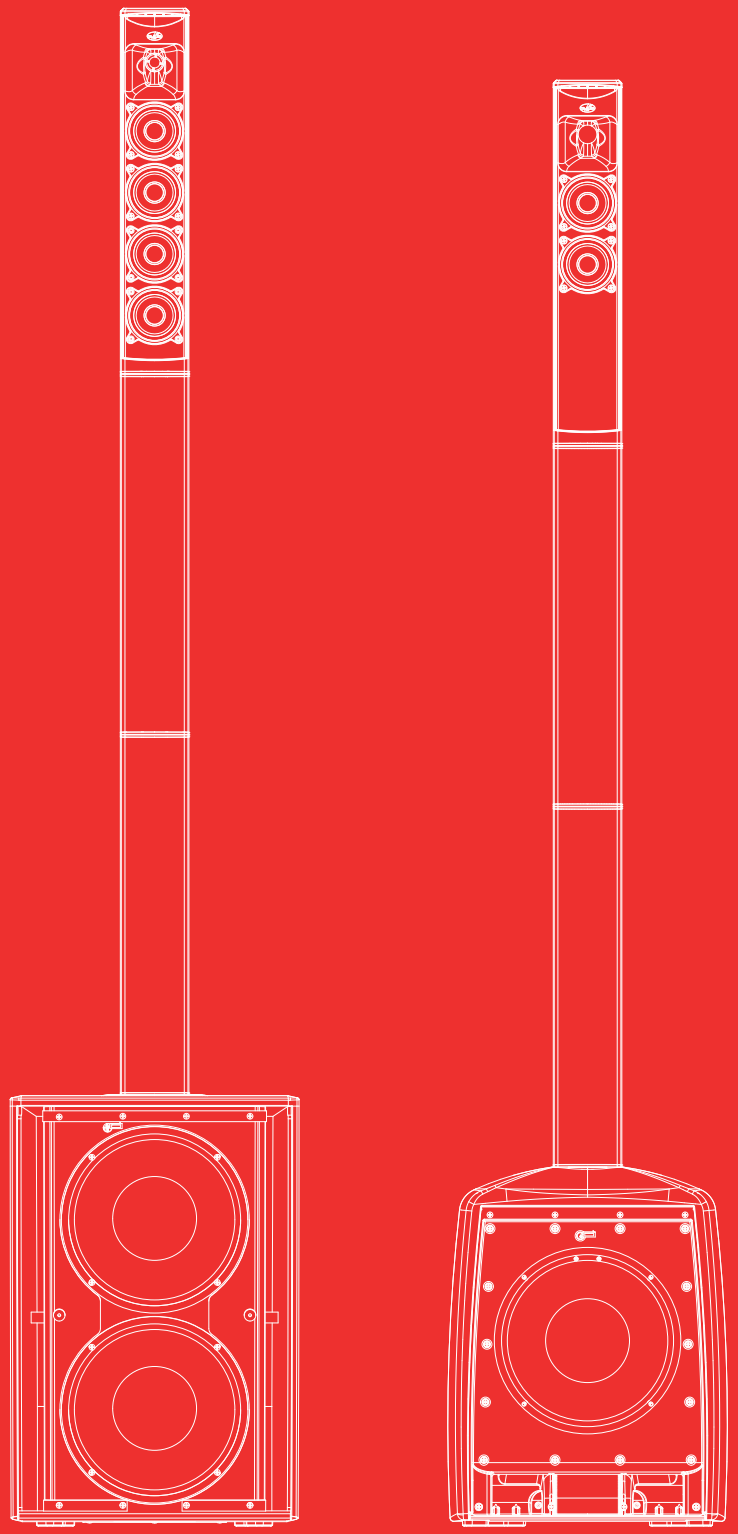
Altea duo

USER'S QUICK GUIDE



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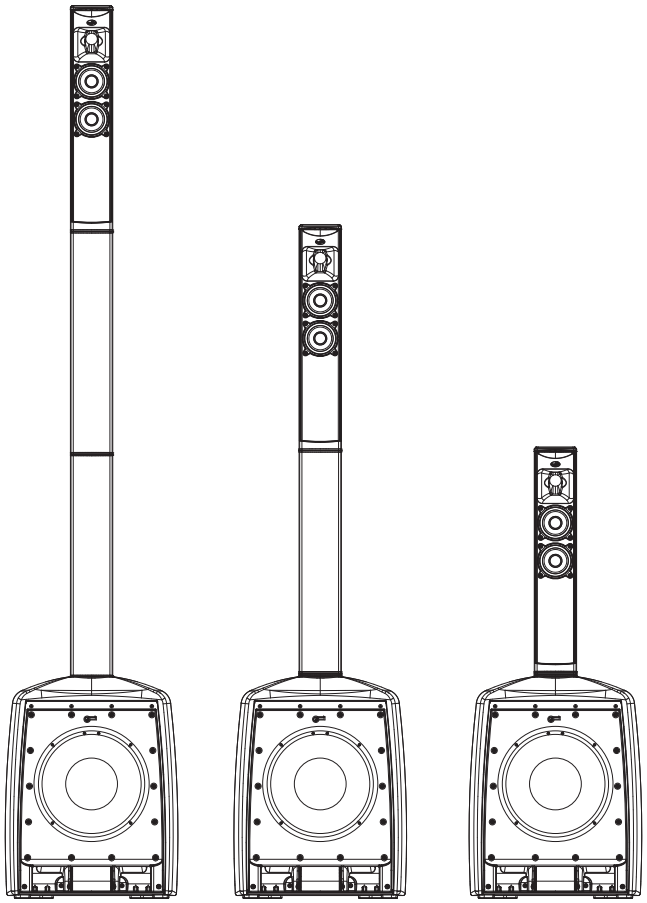
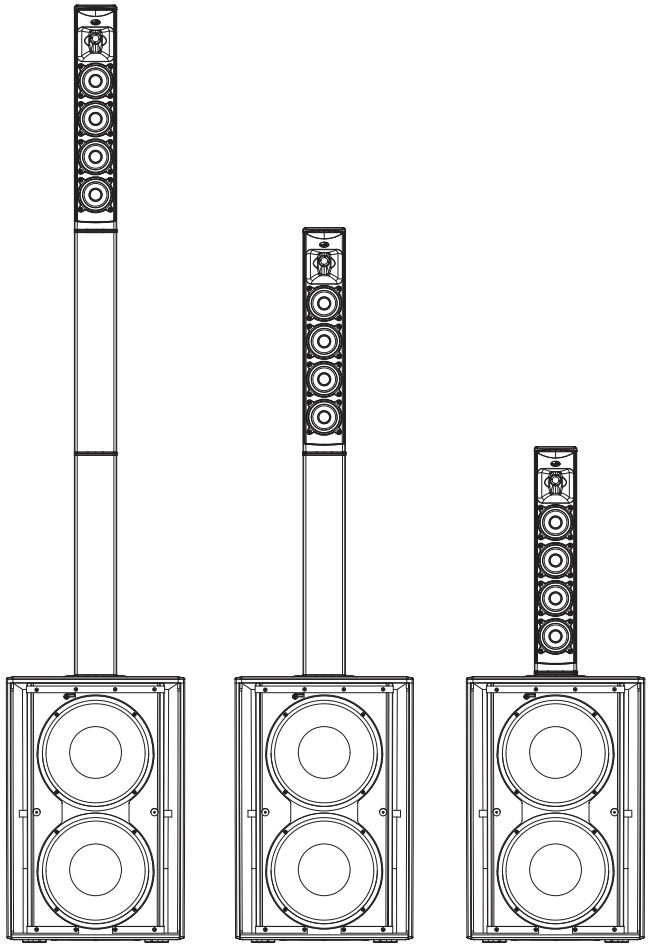
Altea Duo - Quick User’s Guide

IMPORTANT - Before switching on the systems, ensure all input and output cables are connected and the Mix Out switch is configured.

It's recommended that the High Frequency horn and compression driver be installed at a sufficient height to achieve better coverage from front to back in the listening area. The system includes two poles that connect the subwoofer and the top unit. If the system is placed high enough (e.g., on stage), one or even both poles might not be necessary.





How many independent input channels are available?

Both the Duo-10A and 20A systems include 3 independent input channels: 2 Mic/Line inputs (CH1 and CH2) and one instrument input (CH3).

Channels 1 and 2 can accept line-level signals (from a mixing console, an audio source such as an iPad or phone, or a wireless mic receiver), as well as mic-level signals through the use of the XLR-jack combo connector. The minijack input is connected in parallel with the XLR INPUT 1, and the gain pot of CH1 controls both inputs (XLR and Minijack). A dynamic microphone can be connected directly as previously mentioned. Use the white range of the knob's positions to adjust a line-level signal. Use the black range of the knob's positions to adjust a mic-level signal. In the image below, CH1 is shown with the gain knob for LINE level and CH2 with the gain knob for MIC Level.

Image 1 - Altea Duo Amplifier

The third input channel (instrument) is dedicated to connecting a guitar effects pedal, an electro-acoustic guitar, or a keyboard. Adjust the level in the analog domain with the gain control knob of the instrument channel. Do not forget to activate the instrument's channel by using the encoder on the unit. If the instrument channel input is displayed with an “Off,” the input is not active (see image 1).

To activate the instrument´s input, press the encoder and navigate to the INST option, by default and “off” appears on the display. Select the digital input gain for your instrument (-20dB / -10dB / 0dB). By doing this automatically the INStrument input will be active and displayed on the screen:

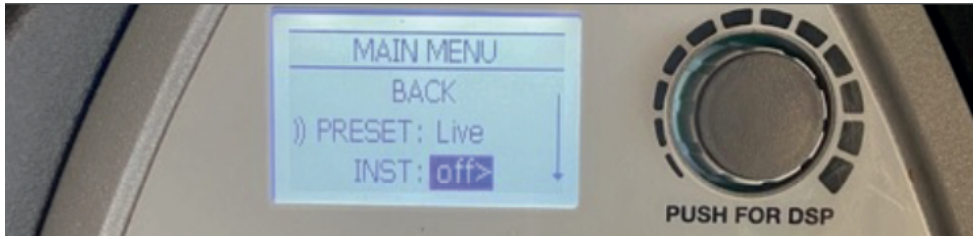


Image 2 - Turn on Instrument

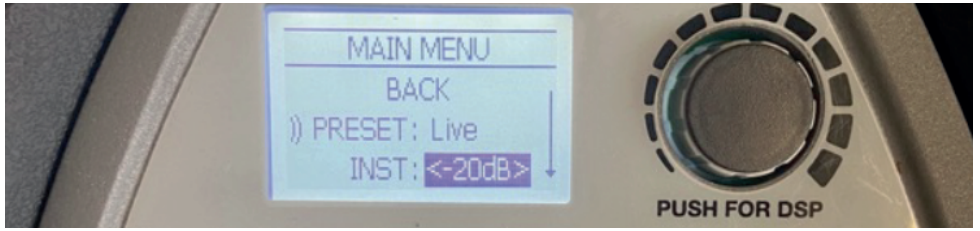


Image 3 - Selection digital input gain

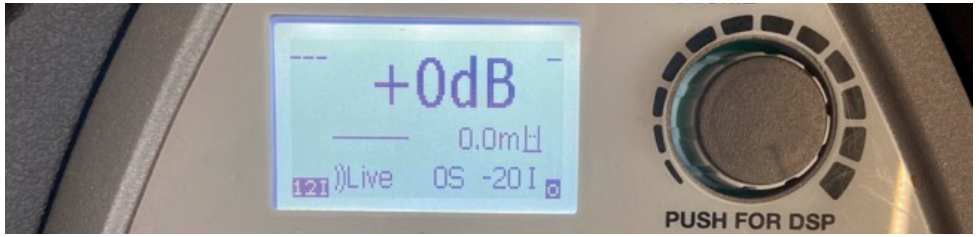


Image 4 - Instrument active in main screen

Navigation Menu using DAScontrol:

Push for DSP and use the encoder to select the different options. To confirm selection, push.

PRESET:	Live / Vocal / Dance
INST:	Off / -20dB/ -10dB / 0dB
SUB gain:	From -10dB to +6dB
LOW:	From -10dB to +6dB 100Hz - Low Shelving Filter
MID:	From -10dB to +6dB 630Hz Bell EQ
HIGH:	From -10dB to +6dB 6k3Hz - High Shelving Filter
DELAY:	From 0m to 9.9m
WIRELESS AUDIO:	SINGLE L+R / DASlink / MASTER L / SLAVE R
OPTIONS:	BRIGHT / CONTRAST /DIMMING / LOGO / MENU LOCK / STAND-BY / DLY UNITS / RESET DEVICE / INFORMATION

Can the front logo be switched off?

Yes, you can switch it off. Navigate to the options menu using the encoder, select OPTIONS -> LOGO, and choose the 'Off' option.

The logo can also be configured to replicate the limit condition of the internal DSP in any of the 2 amplifier channels. By doing this, the front logo will blink when the system's limiters are working.

Can the system's parameters be restored?

Yes, the amplifier can be set to default parameters. Navigate to the options menu and select 'RESET DEVICE', then press to confirm. All parameters such as system's gain, Sub gain, delay, Low, Mid, High will be erased and reset to the default factory settings.

Note: Bluetooth pairing will also be erased.

Gain Structure – INPUT CLIP and LIMIT

The system's display shows the input meters (3 channels) and the output meter.

- Avoid excessive input level in the Input Channels. If you see the message “INPUT CLIP” on the screen, reduce the input signal level, as distortion can affect the audio quality and performance of the system.

  It's better or more advisable to have the gain structure set up in such a way that the amplifier is closer to reaching its maximum output capability (LIMIT) rather than having an excessive INPUT level.

- 'LIMIT' will be shown on the display when the DSP limiter threshold has been reached in any of the 2 amplifier channels. A message on the display will appear with the word 'LIMIT'. A DUO system can work close to the LIMIT condition, reaching it randomly. Hard Limiting will affect audio quality and could cause system damage in the long term.

Which amplifier's gain control manages the Bluetooth input?

The Gain Knob of INPUT 1.

What presets are available in the Altea-DUO systems?

There are 3 different presets: Live (default), Vocals, and Dance.

- The LIVE preset provides a flat frequency response from 200Hz onwards.
- The VOCALS preset provides a frequency response with attenuation in the low-frequency range and enhancement in the high-frequency range.
- The DANCE preset provides a frequency response with enhanced low and high frequencies.

Are the covers included with the system?

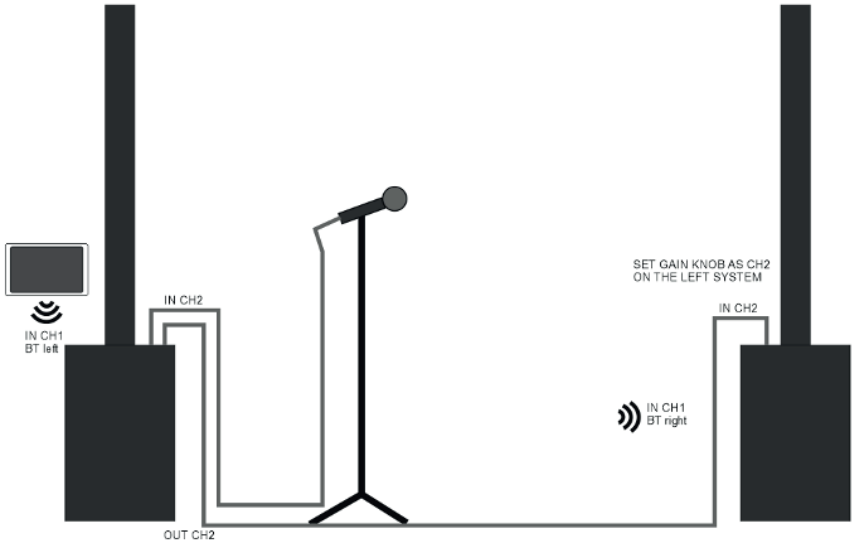
Yes, the cover for the subwoofer unit is included, as well as the backpack for transporting the 'poles' and 'top unit'.

OUTPUT Connector

The Output connector can be used to replicate (thru) all the signals (using the MIX option) from one system to another. The user can choose to 'copy' just CH1 or CH2 independently, or all the 3 inputs simultaneously by using the switch in the MIX position.

Keep in mind that the output connector will send the signal to other systems pre-fader, pre-gain.

Consider the case of having two systems, Left and Right. If the user needs to send music and a microphone signal from the left system to the right one, the most convenient configuration (without using a mixing console) would be to establish a Master L + Slave R audio streaming connection via BT. On both systems, the pot of CH1 will control the volume of the music. The microphone should be connected directly to INPUT CH2 on the left system and sent to the right one using the Output connector with the switch in the CH2 position.



Can the Altea-DUO systems receive audio via Bluetooth?

Yes, there are two basic options for creating a link between the audio source and the DUO system(s):

If there's only one unit to be connected, the user will configure a L+R mono connection (Single Mode).

If there are two units to be connected to the audio source, the user will configure a MASTER L + SLAVE R connection (Master and Slave mode).

Can I control and monitor the system with my smartphone or tablet?

Yes, you can control and monitor the Altea-Duo systems using the DASlink GM application on your smartphone or tablet.

The app provides features for grouping systems, managing parameters, monitoring system performance, and wirelessly equalizing systems immediately and simultaneously. It's a versatile tool that enhances sound system performance and ensures they are handled correctly, offering a convenient solution for managing your Altea-Duo systems.

How can I connect my Altea-Duo with DASlink GM?

Connecting your Altea-Duo system with the DASlink GM app is a straightforward process. Here are the basic steps:

1. Install the DASlink GM app on your smartphone or tablet.

2. Ensure your Altea-Duo system is powered on and in operational mode.

3. Enable Bluetooth on your mobile device and make sure it is discoverable.

4. Launch the DASlink GM app and follow the on-screen instructions to connect to your Altea-Duo system.

If you require more detailed instructions or encounter any issues during the process, I recommend referring to the DASlink GM manual for comprehensive guidance. You can find the manual here.

Altea Duo - Quick User's Guide - Videos

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