Manuals+ — User Manuals Simplified.

K-ARRAY Azimut-KAMUTII Portable Smart System with Multi-Channel Amplifiers User Guide

Contents

K-ARRAY Azimut-KAMUTII Portable Smart System with Multi-Channel Amplifiers

Product Information

The Azimut-KAMUT II is a portable smart system with multi-channel amplifiers. It is designed and made in Italy by K-ARRAY surl. The amplifier is equipped with various input and output options, including USB ports, an RJ45 Ethernet port, Euroblock balanced analog inputs, a stereo analog input, optical S/P DIF stereo digital input, and speaker connectors for flying plugs. The amplifier also features a status LED, a reset button, a DC inlet for power, and a power switch. The system includes the Kommander-KA amplifier, which is factory configured to drive the Lyzard-KZ or Vyper-KV passive loudspeakers and Rumble or Truffle subwoofers at maximum power.

The system can be managed and controlled wirelessly using the dedicated K-array Connect app on a mobile device (smartphone or tablet). The package includes the K-REMUCTRL remote, which has various controls for power, play/pause, mute, Bluetooth pairing, skip forward/backward, volume adjustment, and a micro-USB port for recharging.

Product Usage Instructions

1. Before using the product, carefully read the owner's manual and safety instructions.
2. Download the owner's manual and safety instructions from the official K-array website at **www.k-array.com**.
3. Inspect the shipping carton and the product for any damage. If any damage is found, immediately notify the shipping company.
4. Check that all the supplied parts are included with the product, including the K-REMUCTRL remote.
5. Connect the power adapter to the power cord.
6. Connect the power plug to a mains socket outlet.
7. Connect the power adapter to the DC inlet on the rear panel of the amplifier.
8. Switch on the amplifier and the K-REMUCTRL remote. Note that the remote dongle is already plugged into one of the USB ports of the amplifier.
9. Use the controls on the K-REMUCTRL remote to manage and control the system, such as powering on/off, playing/pausing songs, muting the output signals, adjusting volume, and skipping songs.
10. To manage and control the amplifier wirelessly, download and install the K-array Connect app on a mobile device. Follow the instructions provided in the app to connect and control the amplifier.
11. If the battery level of the K-REMUCTRL remote is low (approximately 10% remaining life), recharge it using the
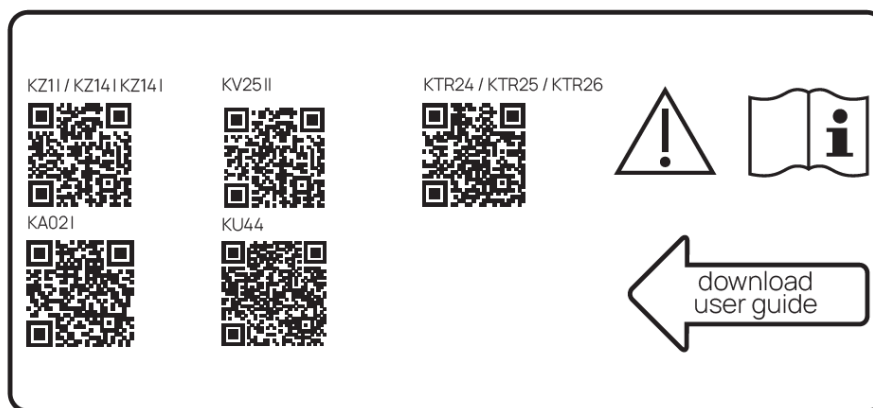
micro-USB port.

If you have any questions or need further assistance with your the new device, please contact K-array customer service at **support@k-array.com** or reach out to the official K-array distributor in your country.

Azimut-KAMUT II

Portable smart system with Multi-Channel Amplifiers

Thank you for choosing this K-array product!
To ensure proper operation, please carefully read this quick guide. Download the owner's manual and safety instructions from the official K-array website at **www.k-array.com**:

Before using the product please carefully read the owner's manual and safety instructions. After reading this quick guide, be sure to keep it for future reference. Should you have any questions about your new device please contact K-array customer service at **support@k-array.com** or contact the official K-array distributor in your country. The Kommander-KA amplifier in the Azimut system is factory configured with the settings necessary to drive the Lyzard-KZ or Vyper-KV passive loudspeakers and Rumble or Truffle subwoofers, in order to fulfill the maximum power of each output channel.

Software

The dedicated K-array Connect app allows to direct manage and control an amplifier with a mobile device (smartphone or tablet) wireless. Carefully inspect the shipping carton, then examine and test your new device. If you find any damage, immediately notify the shipping company.

Check that the following parts are supplied with the product:

- 1x This quick guide
- 1x Kommander-KA02 I comprising:
    - 2x Euroblock 2,5/ 2-ST-5,08 speaker connectors
    - 1x Euroblock 2,5/ 4-ST-5,08 speaker connectors

- ◦ 4x Euroblock 1,5/ 3-ST-3,81 input connectors
- ◦ 1x Power supply with power cord
- 1x K-REMUCTRL remote
- 1x subwoofer cable with Euroblock connectors
- **One of the following loudspeakers set according to the version:**

Version	Loudspeakers set			
	Loudspeakers		Subfoofer	
Azimut-KAMUT2L II	Lyzard-KZ1 I	2	Rumble-KU44-2	1
Azimut-KAMUT2L1 II	Lyzard-KZ1 I	2	Truffle-KTR24	1
Azimut-KAMUT2L14 II	Lyzard-KZ14 I	2	Truffle-KTR25	1
Azimut-KAMUT2V25 II	Vyper-KV25 II	2	Truffle-KTR26	1

K-REMUCTRL remote

Switch on the amplifier and the K-REMUCTLR remote. Please note that the remote dongle is already plugged into one of the USB ports of the amplifier.
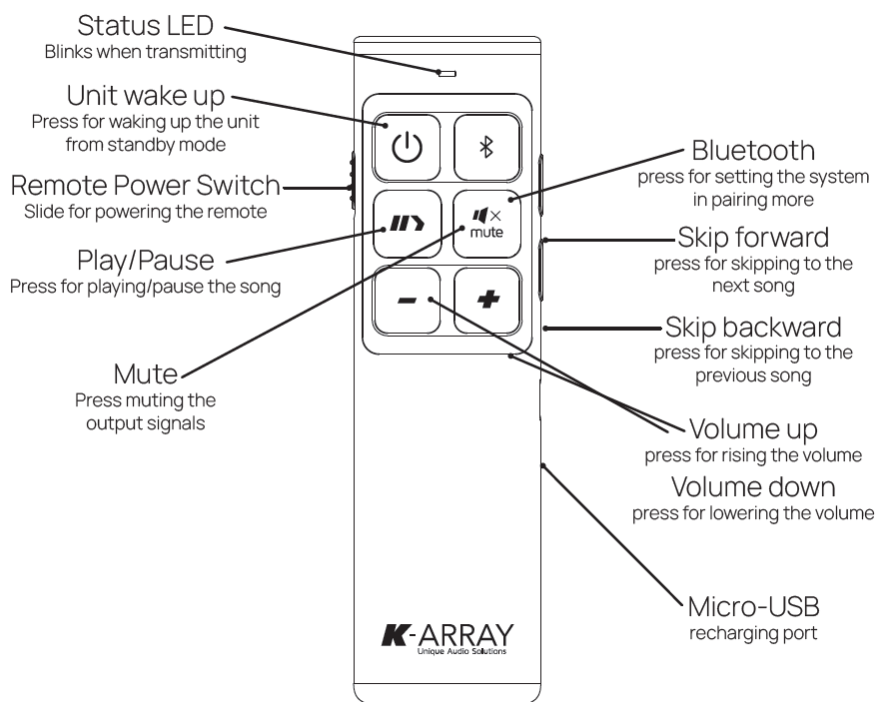

The K-REMUCTRL remote includes a high-efficiency rechargeable battery with a switch that can extend the batter life when powered off. When the battery discharges to approximately 10% remaining life, the Status LED on the remote begins flashing.

Amplifier Rear Pannel

1. 4x USB ports
2. RJ45 Ethernet port
3. 4 channels Euroblock 1,5/ 3-ST-3,81 balanced analog inputs

4. 3,5 mm jack unbalanced stereo analog input
5. Status LED
6. 4 channels Euroblock output terminals: speaker connectors for either 2,5/ 2-ST-5,08 or 2,5/ 4-ST-5,08 flying plugs
7. Reset button
8. Optical S/P DIF stereo digital input
9. DC inlet
10. Power switch
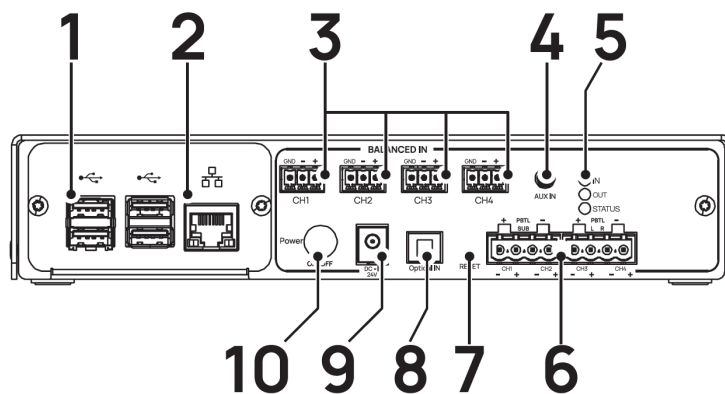
AC mains supply

- Connect the power adapter to the power cord;
- Connect the power plug to a mains socket outlet;
- Connect the power adapter to the DC inlet on the rear panel of the Kommander-KA02 I amplifier unit.

Notes
** The AC mains cord plug may differ from the picture according to local regulation.
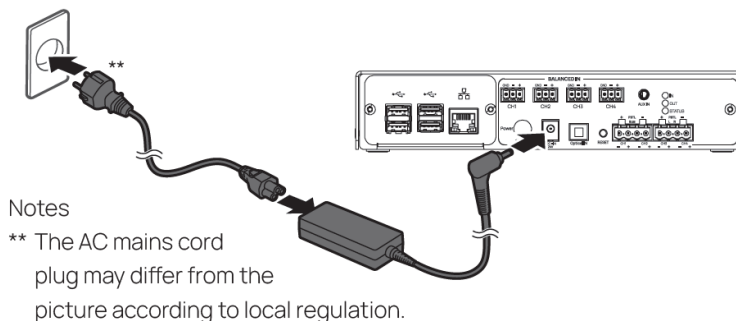
Once properly plugged, switch on the amplifier pushing on the power button: when the unit is operating the front and back LEDs light on green.
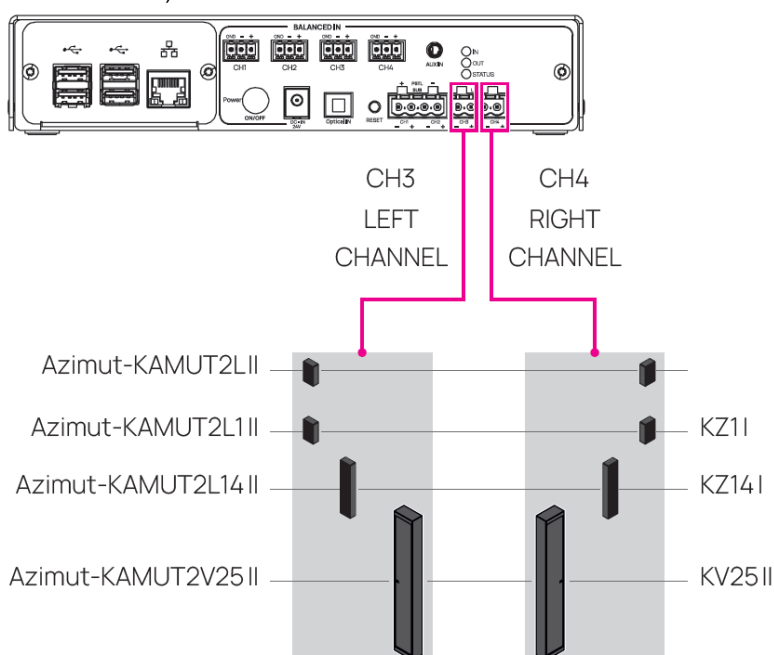
Input wiring

Audio signals can be fed to the system using the input connectors on the amplifier's rear panel.

Mono
balanced signal

Stereo
unbalanced signal

Left
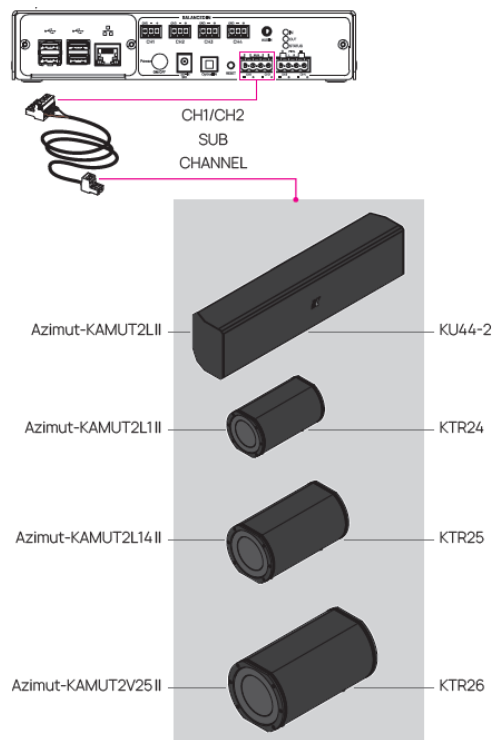Right
⏚GND

Digital SP/DIF
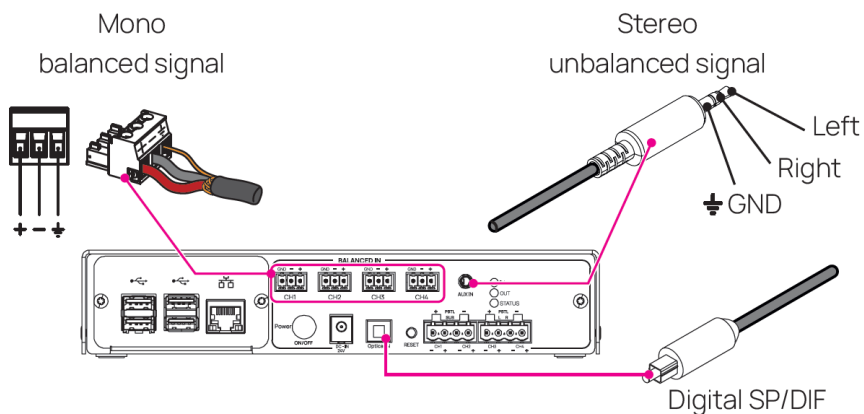
Loudspeakers Wiring

Plug the 2 poles connector heading the loudspeaker's cable to the amplifier's output connectors 3 (LEFT CHANNEL) and 4 (RIGHT CHANNEL).

CH3
LEFT
CHANNEL

CH4
RIGHT
CHANNEL

Azimut-KAMUT2L II

Azimut-KAMUT2L1 II — KZ1 I

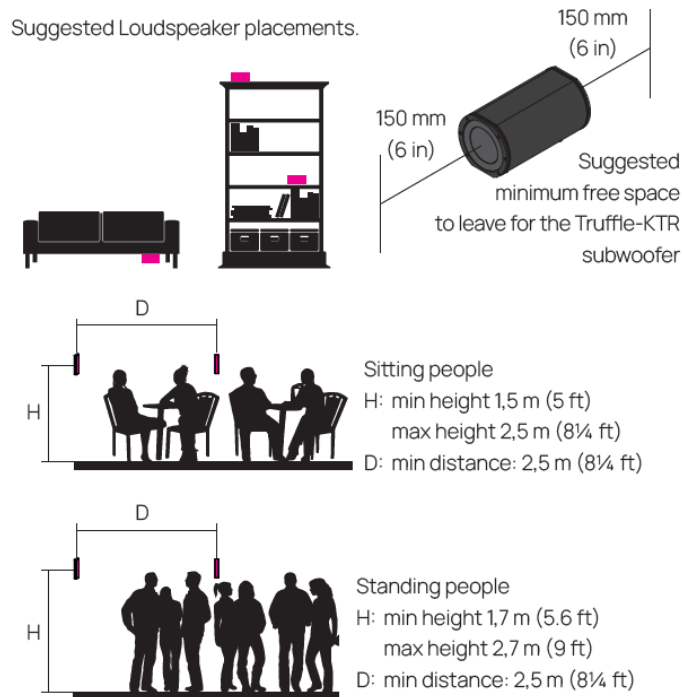Azimut-KAMUT2L14 II — KZ14 I

Azimut-KAMUT2V25 II — KV25 II

Subwoofer Wiring

The cables for connecting the subwoofer to the amplifier is provided within the package. Plug the 4 poles connector heading the cable to the amplifier's output connectors 1 and 2.

Azimut-KAMUT2LI II — KU44-2
Azimut-KAMUT2L1 II — KTR24
Azimut-KAMUT2L14 II — KTR25
Azimut-KAMUT2V25 II — KTR26

Installation

Suggested Loudspeaker placements.

Suggested Loudspeaker placements.

150 mm (6 in)
150 mm (6 in)

Suggested minimum free space to leave for the Truffle-KTR subwoofer

Sitting people
H: min height 1,5 m (5 ft)
    max height 2,5 m (8¼ ft)
D: min distance: 2,5 m (8¼ ft)

Standing people
H: min height 1,7 m (5.6 ft)
    max height 2,7 m (9 ft)
D: min distance: 2,5 m (8¼ ft)

Remote Connectivity

The Kommander-KA02 I amplifier unit features a built-in hot spot establishing a local Wi-Fi network dedicated to remote control the amplifier with mobile devices. The default local Wi-Fi SSID and unit IP address are printed on a label located on the bottom plate of the Kommander-KA02 I unit; a QR code for ease the connectivity is printed as well. The RJ45 Ethernet port on the rear panel allows to connect the Kommander-KA02 I amplifier unit to a local area network (LAN). Since every host on a network must be identified by a unique IP address, the simplest local network usually implement a router/switch with DHCP server managing the addresses allocation: by default the Kommander-KA02 I unit is set to obtain a local IP address from the DHCP server. A static IP address can be assigned to the amplifier unit using the amplifier's embedded web app (Network menu).

Connectivity Reset

With the unit switched on, keep pressed the RESET button on the rear panel for 10 to 15 seconds in order to:

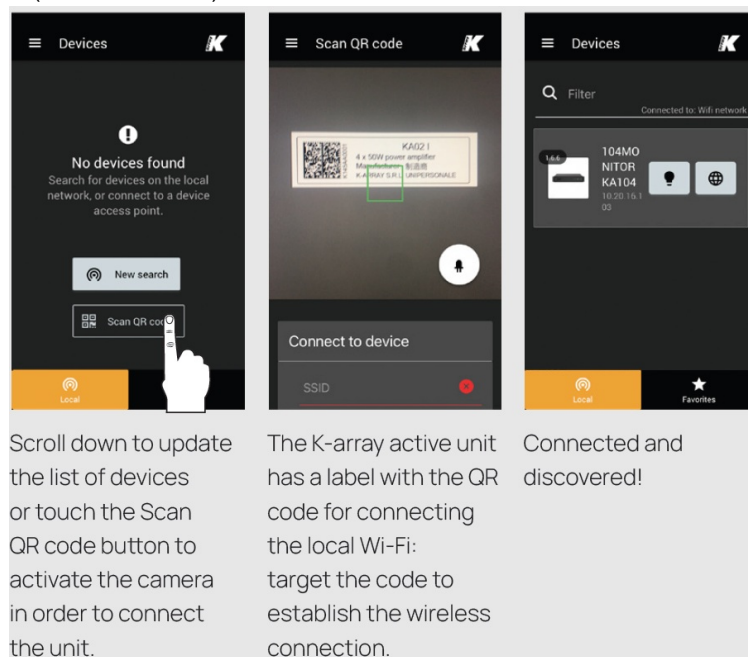- Revert the wired IP addressing to DHCP;
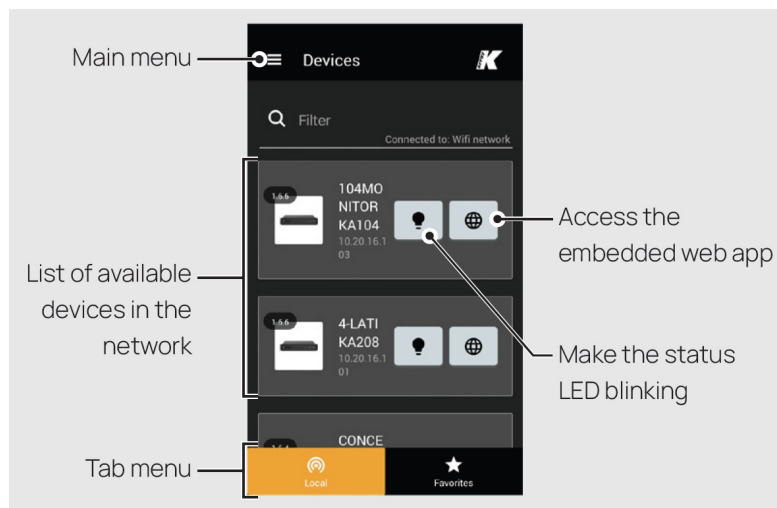- Activate the built-in Wi-Fi and reset the wireless parameters to the default SSID name and password.
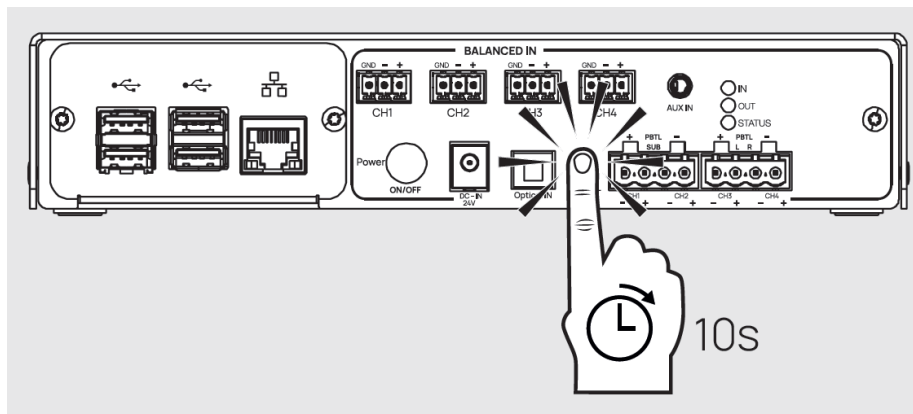
Getting Started With K-array Connect

1. Power up the unit.
2. Hold your mobile device (smartphone or tablet): ensure the Wi-Fi connectivity is on.
3. Launch the K-array Connect app.
4. If the list of available devices is empty touch the SCAN QR CODE button and use the mobile device camera to frame the QR code printed on a label on the unit chassis: this provides the mobile device to connect to the amplifier's built in hot spot.
5. Click on the image of the unit to start managing the amplifier with the K-array Connect app or click on the button with the globe in order to access its embedded web app.

In case you need to connect manually connect to the amplifier's hot spot, the default password is the device serial number, e.g. K142AN0006 (case sensitive).

Scroll down to update the list of devices or touch the Scan QR code button to activate the camera in order to connect the unit.

The K-array active unit has a label with the QR code for connecting the local Wi-Fi: target the code to establish the wireless connection.

Connected and discovered!

Status LED

Color		Mode	Description
🟠	orange	solid	DSP software is loading
🟢	green	solid	System ready
🔵	blue	solid	User command: system identification
🟣	purple	flashing	Network parameters reset

Specifications
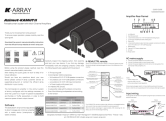
	KZ1 I	KZ14 I	KV25 II
Rated Power	3,5 W	15 W	75 W
Frequency response 1	500Hz 18 kHz	500Hz 18 kHz	150Hz 18 kHz
Max SPL 2	86 dB	98 dB	108 dB
Impedance	16Ω	16Ω	8Ω/16Ω
Dimensions	22 x 37 x 11 mm (0.9 x 1.5 x 0.4 in)	22 x 100 x 11 mm (0.9 x 3.9 x 0.4 in)	40 x 260 x 22 mm (1.6 x 10.2 x 0.9 in)
Weight	0.021 kg (0.046 lb)	0,059 kg (0.130 lb)	0,4 kg (0.88 lb)

	KTR24	KTR25	KTR26	KU44-2
Rated Power	60 W	80 W	100 W	100 W
Frequency response 1	45-500 Hz	45-500Hz	45-150Hz	45-500Hz
Max SPL 2	112 dB	115 dB	120 dB	116 dB
Impedance	4Ω	4Ω	2Ω	2Ω
Dimensions	122 x 117 x 199 mm (4.8 x 4.6 x 7.8 in)	152x147x258mm (6.0 x 5.8 x 10.2 in)	182x176x341mm (7.1 x 6.9 x 13.4 in)	500x116x100mm (19.7 x 4.6 x 4.0 in)
Weight	1,5 kg (3.31 lb)	2,5 kg (5.51 lb)	3,5 kg (7.72 lb)	5.9 kg (13.0 lb)

	KA02 I
Output channels	4
Output Power per ch @4Ω 3	50W
Dimensions	219 x 46 x 170 mm (8.6 x 1.8 x 6.7 in)
Weight	0,7 kg (1.5 lb)

1. With dedicated preset.
2. Maximum SPL is calculated using a signall with crest factor 4 (12dB) measured at 8 m then scaled at 1 m.
3. CTA-2006 (CEA-2006) Amplifier Power Standards, single channel driven.

Documents / Resources

K-ARRAY Azimut-KAMUTII Portable Smart System with Multi-Channel Amplifiers [pdf] User Guide
Lyzard-KZ14I, Rumble-KU44-2, Truffle-KTR24, Truffle-KTR25, Vyper-KV25II, Azimut-KAMUTII, Azimut-KAMUTII Portable Smart System with Multi-Channel Amplifiers, Portable Smart System with Multi-Channel Amplifiers, Smart System with Multi-Channel Amplifiers, Multi-Channel Amplifiers, Amplifiers

References

- **α Array**
- **⊕ K-array | Unique Audio Solutions For Professionals**