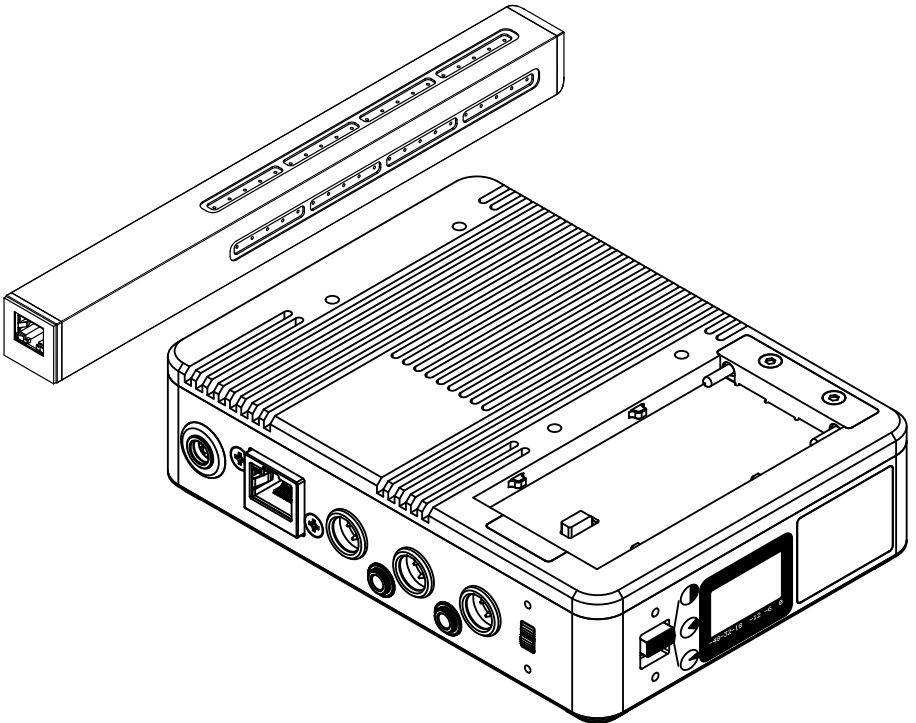
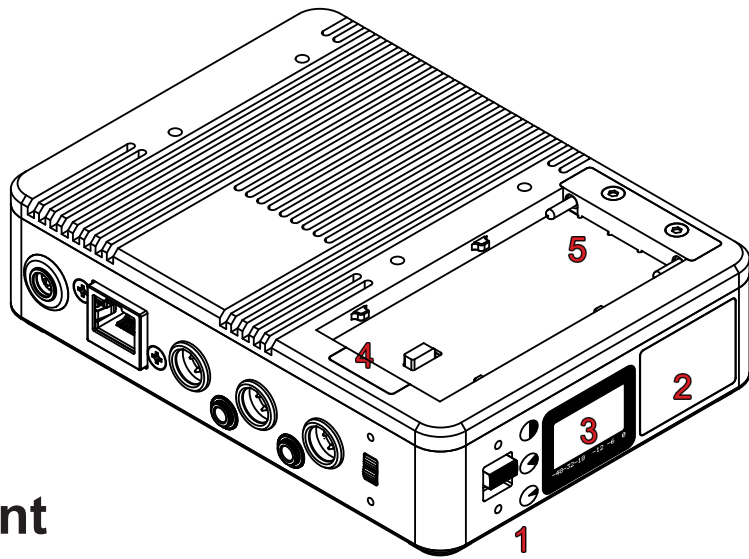


# KONOS2

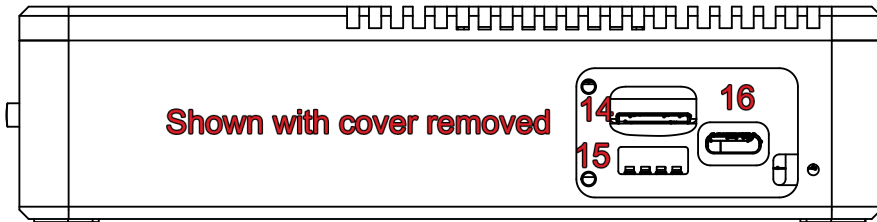
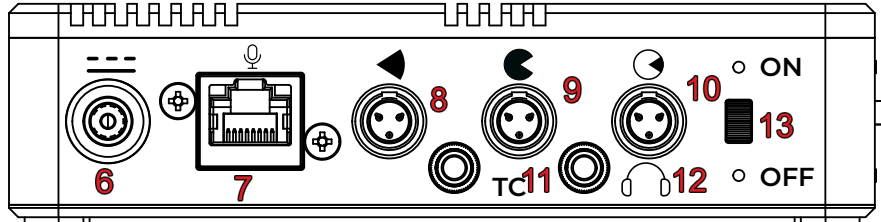


Firmware b1502

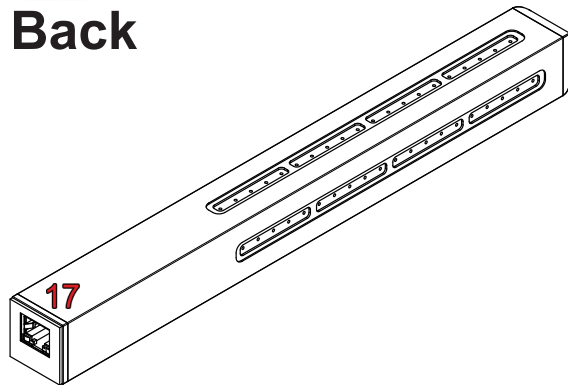
# Part names and functions



## Front



## Back



## Microphone

### Package contents

- 1 x Konos processor box
- 1 x Konos Mic array
- 1 x Shock mount
- 1 x 12V 1.5a power supply
- 1 x RJ45 Cable
- 3 x Mini XLR to XLR


1	Beam Selector	Detail below Table A
2	Keypad	Detail below Table B
3	LCD	Detail next page Table C
4	Battery slot release	Press down to release battery
5	Battery slot	Takes a NP-F series battery
6	DC barrel socket 5.5x2.1mm	12V1.5A input
7	RJ45 port to mic POE+ out	Directly connect to microphone (17)
8	Main mini-XLR out	Balanced mic/line output
9	Complement mini-XLR out	Balanced mic/line output
10	Konos Select mini-XLR out	Balanced mic/line output
11	LTC input	LTC input recorded to SD card
12	Headphone out	Headphone output
13	Power switch	Turn the unit on/off
14	SD card slot	Insert a SD card to record audio exFAT
15	Dip switch	Run 
16	USB-C for firmware update	Use with Konos Control utility
17	Mic RJ45 port	Connected to (7)

Table A




1		Wide output set	180° Front, 180° Complement , Front Konos Select
		Medium output set	100° Front, 260° Complement , Front Konos Select
		Narrow output set	60° Front, 300° Complement, Front Konos Select

Table B









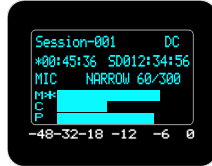
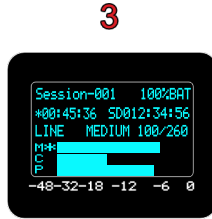
Action	Effect
Press  or 	Headphone volume up/down
Hold  and 	Line level (default) / Mic level Toggle (+20db)
Press 	Start recording, Lit while recording
Hold(2s) 	Stop recording/Enable record on power on
Press 	Cycle headphone output or setting
Hold(2s) 	Cycle LCD screen

Table C

SCREEN 1

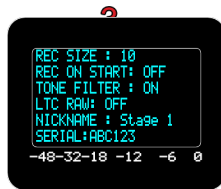
Line	Effect
Session-001	Current session folder
100%BAT DC	Battery level / DC powered
*00:45:36 SD012:34:56	Current recording time elapsed/ remaining on SD card
MIC -LINE -	Mic / Line level indication
MEDIUM 100/260	Current beam set (Main/ Complement)
M P -48 -32 -18 -12 -6 0	dBFS for Main/Comp/Processed. * Indicates the current headphone output



Hold(2s) To cycle between screens

SCREEN 2

Line	Effect
REC SEG SIZE	Per segment length in minutes. 5/10/15/20/25/30
REC ON START	Starts record on power on.
TONE FILTER	Sine wave filter for KONOS Select. Removes constant tones.
LTC RAW	ON: LTC WAV track is recorded. OFF: LTC is still saved into the file information.
NICKNAME	User defined Nickname from KONOS Control.
SERIAL	Unique board level serial number.



Press to change setting line.

The “:” will flash on the currently selected setting

Press to cycle the setting.

Starting your Konos 2 unit

Connect the Ethernet cable to the (7) RJ45 port on the processor box and the (17) Mic RJ45 port.

Either insert a fully charged NP-F type into the (5) Battery slot, or insert the provided power supply into (6) DC barrel socket.

Turn the unit on by switching the (13) Power switch into the “ON” position. The Konos 2 may take up to 5 seconds to initialize.

Information on recording format

Konos records 8 audio channels stored on a SD card as separate 24bit 48khz WAV files.

The first 6 files are the beams 180°/100°/60° Front and 180°/260°/300° Complement.

**Only the beam set selected will have audio the other channels will be blank.**

The 7<sup>th</sup> channel is the Konos Select audio from the beam set chosen by the Beam Selector.

The 8<sup>th</sup> channel is the LTC audio recorded if “LTC RAW” is set to ON.

The wav files are BWF format with the LTC embedded in the metadata header.

To start recording press the button

The record icon will stay lit

To stop recording hold the for 2 seconds

Beam Selector and audio outputs

The Mini XLR's (8/9/10) Will output Main/Complement and Konos Select of the chosen beam set.

The Headphone jack (12) outputs audio to headphone,

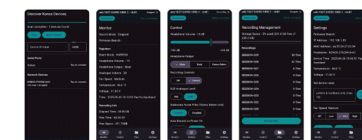
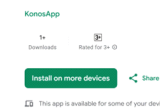
The headphone volume can be controlled with

Konos Control

Konos Control is an application to adjust settings and remotely control your KONOS 2 device.

For more information go to the KONOS support page for the Konos Control Manual.

Konos Control



www.konos-sound.com/  
support

## Frequently asked questions

- Q: Why are my recordings split into multiple smaller files.**
- A:** The KONOS device pre-allocates audio segments while recording to prevent data loss in a sudden power loss event. This means recordings are broken up into segments of the chosen size “REC SEG SIZE” (5/10/15/20/25/30) if your recording is less than a segment it will get shortened when you stop recording.  
**Example** a 45 minute recording with a 20m segment size will be two files of 20m and a third of 5m.
- Q: Musical instruments sound odd or quiet on the KONOS Select channel.**
- A:** KONOS Select by default has a “Tone Filter” that removes constant wave forms such as air conditioning or fan noise. This can also remove static notes from musical instruments. If this is an issue you can turn it off using the menu on “Screen 2” of the screen or using the “Konos Control” application
- Q: The file from the SD card is very quiet.**
- A:** KONOS records in 48khz 24bit with no normalization and full dynamic range. This allows you to record very loud and very quiet sounds in the same recording without gain adjustment. We recommend using an audio tool to use digital normalization or amplification to align volume levels in post.
- Q: Why do the Microphone LEDs turn off.**
- A:** The microphone LEDS are set to turn off 5 seconds after it is connected to not be distracting on set.



[www.konos-sound.com/support](http://www.konos-sound.com/support)

Information subject to change without notice

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