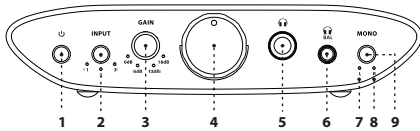


# ifi

## ZEN CAN Studio



Thank you for purchasing the CAN Studio from ZEN series. The CAN Studio is a balanced headphone amplifier.

### 1. Power switch

Short press to turn on or off.

### 2. Input selector

Input 1: Balanced XLR / 6.3mm

Input 2: Single-ended 3.5mm

Input 3: Balanced 4.4mm

### 3. Gain selection: 0dB/6dB/12dB/18dB

We recommend starting from 0dB and then increasing the gain switch level to attain an enjoyable and comfortable level of volume from the headphones.

*Warning: at the outset do not use excessive gain, otherwise damage to hearing or connected headphones may ensue. AMR/iFi audio is not responsible for any damage/injury from misuse.*

### 4. Analogue volume control

At normal listening levels, the volume control should be around the 12 o'clock position. Increase the gain level to enjoy a higher listening level.

### 5. Single-ended 6.3mm output

For connecting single-ended 6.3mm headphones. With single-ended 3.5mm headphones, connect with a 3.5mm to 6.3mm adapter.

### 6. Balanced 4.4mm analogue output

For connecting balanced 4.4mm headphones.

### 7. Mono Left Mode LED

When lit, only the left input channel is sent to both left and right outputs.

### 8. Mono Right Mode LED

When lit, only the right input channel is sent to both left and right outputs.

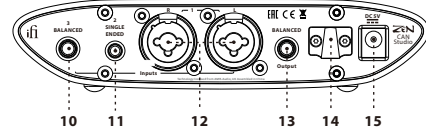
### 9. MONO Settings

This button chooses between:

Stereo > Mono L > Mono R > Mono L + R (short press)

When both L and R LEDs are lit, the unit is in mono L + R mode.

When both LEDs are not lit, the unit is in stereo mode. Also please see items 7 and 8.



### 10. Balanced 4.4mm analogue input

This is a balanced analogue input.

### 11. Single-ended 3.5mm analogue input

For connecting single-ended 3.5mm input.

### 12. Balanced XLR / 6.3mm (combi jack) analogue input

This is a balanced analogue input. The 6.3mm input is also compatible with a single ended connection.

### 13. Balanced 4.4mm analogue output

This is an analogue output via 4.4mm > XLR or other balanced interconnects. You could use this for an active speaker.

*Tip: As the ZEN CAN Studio is balanced, this is the recommended output.*

### 14. Power cable anti-drop pendant

Used to secure the power cable to prevent the power supply from falling out or coming loose.

### 15. DC 5V power

Please connect the ZEN CAN Studio to the enclosed power supply. The ZEN CAN Studio must ONLY be powered by 5 volts.

### Specifications

#### Input:

4.4mm	4.0Vrms (nom.) @ 0dBFS, 24kΩ balanced
3.5mm	1.0Vrms (nom.) @ 0dBFS, 1MΩ UnBAL
XLR / 6.3mm	4.0Vrms (nom.) @ 0dBFS, 24kΩ balanced
6.3mm pinout:	TRS: +, -, Gnd; compatible with TS: +, Gnd Separate left and right connectors

#### Max. Input:

4.4mm	7.4V RMS
3.5mm	1.92V RMS
XLR	7.4V RMS
6.3mm	7.4Vrms balanced / 3.8Vrms UnBAL

#### Max Output:

Balanced:	>15.2V/385 mW (@ 600Ω)
	>11.0V/1890 mW (@ 64Ω)
UnBAL:	>7.6V/196 mW (@ 300Ω)
	>4.0V/1000 mW (@ 16Ω)

#### Output Impedance:

Balanced:	<2Ω
UnBAL:	<1Ω
Line:	<200Ω

#### THD + N:

Balanced:	<0.006% (@ 360 mW/2.4V 16Ω)
UnBAL:	<0.005% (@ 100 mW/1.27V 16Ω)

#### SNR:

Balanced:	>122dBA (@ 7.3V)
UnBAL:	>120dBA (@ 1.9V)

**Gain:** 0dB, 6dB, 12dB and 18dB

**Frequency Response:** 10Hz - 200kHz (±0.03dB)

**Power supply requirement:** DC 5V/2.4A (centre +ve)

**Power consumption:** No Signal ~5W / Max Signal ~13W

**Dimensions:** 158 x 121 x 35 mm (6.2" x 4.8" x 1.4")

**Net weight:** 530g (1.17 lbs)

**Limited Warranty:** 12 months\*

\*12 months typical or as permitted/required by local reseller laws.

\*\*Specifications are subject to change without notice.