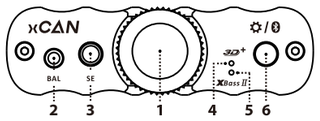
x series

xCAN




## 1. ON/OFF, Analogue Volume Rotary with LED

**Power ON (with mode selection):** Press and hold the rotary knob until it lights up. The rotary knob on the front faceplate will light-up corresponding to the last mode used. Either release for last mode or keep the rotary knob pushed in to cycle through the two modes. Release to accept that mode.

| LED | INPUT |
|---|---|
| Green | Analogue (via SE or BAL) |
| Blue* | Wireless Bluetooth (Connected) |
| Blue* (flashing) | Wireless Bluetooth (Awaiting connection) |
| Blue/Red* (flashing) | Wireless Bluetooth (Pairing) |

*xCAN with Bluetooth module.

The xCAN allows 2 cycle through attempts (approx. 20 seconds) for selection before automatically powering off.

**Power OFF:** Push and HOLD the rotary for several seconds until all the LEDs change to White then release to power off.

**Wired/Wireless® mode switching:** The xCAN must be switched off and then powered back on to change input mode. See Power ON (with mode selection).

**Wireless® Mode (Bluetooth):**
The xCAN is able to store up to 8 paired Bluetooth devices.

From switch on, if the xCAN is in Wireless mode (Blue), it will 'blink' Blue as it searches for 15 seconds for a previously paired device. If a stored device is not found, it will automatically enter pairing mode (INPUT: Blue/Red blinking).

A new Bluetooth device can be 'force paired' by pressing the 'Settings' button (gear icon) for 3 seconds, while in BT Mode.

**Mute:** Either press the rotary knob to mute or rotate so volume is muted. To unmute press it again OR turn the rotary.

**Rotary knob/Volume:**

| LED | Volume | |
|---|---|---|
| Red | -9 to +12 dB | (100%-91%) |
| Yellow | -27 to -10 dB | (90%-73%) |
| Green | -45 to -28 dB | (72%-55%) |
| Cyan | -63 to -46 dB | (54%-37%) |
| Magenta | -81 to -64 dB | (36%-19%) |
| Blue | -101 to -82 dB | (18%-0%) |
| Off | Mute | |

## 2. Balanced 2.5mm output

For connection of 2.5mm balanced headphones/IEMs.

## 3. Single-Ended 3.5mm output

For connection of 3.5mm single-ended headphones/IEMs to enjoy the S-Balanced circuitry.

*Tip: We recommend the use of balanced wired headphones/IEMs as this wiring configuration is superior and takes full advantage of the xCAN's balanced circuitry.*

## 4. 3D+® Matrix LED

The 3D+® Matrix (on/off) recreates a holographic sound field like listening to a pair of speakers. It is a pure analogue signal processing circuit designed for listening to headphones as if one was listening to speakers. This addresses the 'music inside the head' impression which is uncomfortable for listening.

## 5. XBass II® LED

XBass II® (On/Off) has been implemented in the xCAN for the first time. If XBass II is used, please refer to point section 9. XBass II modes.

## 6.Settings ☼/ᛒ

This button cycles between:

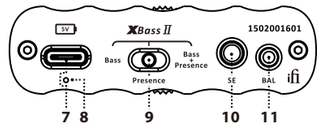
3D+®

XBass II+®

XBass II® & 3D+®

Off

Pairing (Bluetooth, Hold)




## 7. USB-C charge port

The USB-C port is ONLY for charging (it does not perform any other function).

When the xCAN is off and a 5V USB power supply is detected, the LED will change colour to show the various states of charge (see next section).

## 8. LED for Battery Status

| LED | Status |
|---|---|
| White* | ≥ 75% |
| Green* | 74%-25% |
| Red* | 24%-10% |
| Red (flashing) | ≤ 10% |

*Battery LED will flash when it is charging

With IEMs, a fully-charged battery offers approx. 6-8 hours of music enjoyment.

## 9. XBass II® Modes

In recent times, new research into headphone frequency response showed that a purely 'flat' response is not correct. Our long present XBass® fits the profile of the low-frequency correction required. However, it was also shown that a certain amount of lower midrange boost is needed to give many headphones a more 'natural' sound. As this lower midrange region is usually also called the "presence" region we have used this term to indicate the lower midrange correction. In the xCAN, XBass II (or perhaps better HP-EQ) can be selected to have either Bass + Presence correction, only Bass or Presence correction only. Select according to listening preference.

*Tip: Sonically-hindering DSP is NOT used for XBass II® nor 3D+® Matrix systems. They use the highest-quality discrete components and operate purely in the analogue domain. Hence all the clarity and resolution of the original music is fully retained.*

## 10. Single-Ended 3.5mm input

For connection of 3.5mm single-ended source such as a Smartphone.

*Tip: We recommend the use of balanced input to take maximise the sound quality of the xCAN's balanced circuitry.*

## 11. Balanced 2.5mm input

For connection of 2.5mm balanced source such as a Digital Audio Player.

## Specifications

| | | |
|---|---|---|
| Max Output: | S-Balanced: | > 3.8V/45 mW (@ 300 Ohm) |
| | | > 3.5V/380 mW (@ 32 Ohm) |
| | | > 3.1V/600 mW (@ 16 Ohm) |
| | Balanced: | > 7.6V/90 mW (@ 600 Ohm) |
| | | > 7.2V/800 mW (@ 64 Ohm) |
| | | > 5.7V/1000 mW (@ 32 Ohm) |
| THD &N: | S-Balanced: | < 0.005% (@ 100 mW/1.26V 16 Ohm) |
| | Balanced: | < 0.006% (@ 360 mW/2.4V 16 Ohm) |
| SNR: | S-Balanced: | > 121dBA (@ 3.8V) |
| | Balanced: | > 120dBA (@ 7.6V) |
| Max. Input: | S-Balanced: | 3V RMS |
| | Balanced: | 6V RMS |
| Gain: | | -95dB to +18dB continuously adjustable (using Volume control) |
| Frequency Response: | | 2Hz - 200kHz (-3dB) |
| Playback Time: | | 10 - 20 Hours (charging via USB-C port) |
| Battery: | | 3.8V/2200mAh |
| Dimensions: | | 95 (l) x66.5 (w) x19 (h) mm |
| Weight: | | 131g (0.29 lbs) |
| Warranty period: | | 12 months |

Specifications are subject to change without notice.



# warranty

In order to activate the warranty for this iFi product, you must register with the iFi website.

Component :

Serial no:

## Terms and Conditions

iFi guarantees that this iFi product shall be free from defects in materials and workmanship for a period of 1 year for parts and labour.

The warranty period begins at the date of retail sale by an authorized iFi distributor/dealer and is subject to the following requirements and understandings:

- It is the responsibility of the buyer within 30 days from the original sale, to register and activate the product warranty with the iFi website.
- The original invoice must be produced for authentication prior to any warranty claim.
- The iFi product must not have been modified in any manner whatsoever, or the warranty will immediately become void.
- The iFi warranty is only valid in the country of original sale and is not transferable.
- The product must not have been stored in a humid environment; nor subjected to weather, water, or saltwater spray.
- iFi shall not, under any circumstances, be liable for any incidental or consequential damages arising from the loss of property or other damage or losses due to the failure of an iFi product. iFi is not liable for loss of use or inconvenience caused by the failure of an iFi product. iFi is not liable for damage caused to other audio components because of the failure of an iFi product.
- During the warranty period, iFi will repair the product to working order, or, at iFi's discretion, replace the defective module with a similar available product.
- All repairs performed after expiry of the warranty period will be charged to the owner and will carry a 180-day warranty on parts and labour. The customer is responsible for shipping the unit to the iFi distributor in the original packaging. This includes the payment of any shipping charges and related taxes.
- Should any warranty issues arise, iFi's decision is full and final.