

User Manual



A musical instrument to play the drums by air drumming

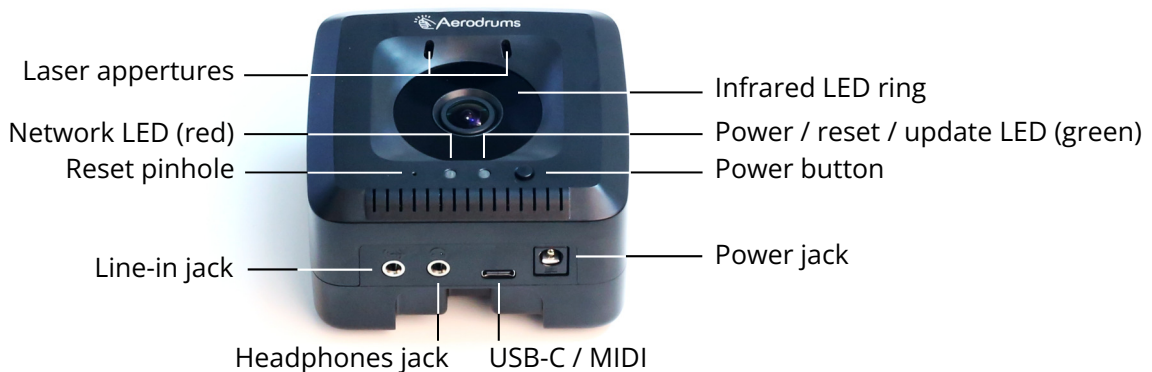
You can find a regularly updated version of this manual online at aerodrums.com/user-manual. Help is available within the app by using the question mark button in the left column.

1 Box contents

The picture below lists the parts that make up the instrument:



The picture below details and names the physical features of the sensor:



2 Setting up

Please refer to the accompanying Quick Start Guide for instructions on how to set up the instrument.

3 Playing along to music

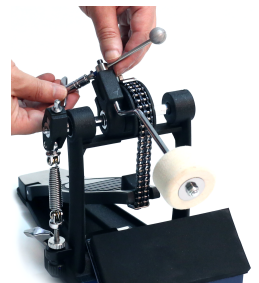
The instrument provides three ways to play along to music:

1. **Bluetooth.** Music can be streamed from your phone or other personal device to the instrument using Bluetooth. To enable this, the devices first need to be paired by going to Configuration > Bluetooth in the app and following the instructions. Once paired and connected, any sound that comes from your personal device will be mixed with the drums.
2. **Line-in.** You can use the 3.5mm line-in jack on the sensor to connect your personal device. Whatever sound is played from that device will be mixed with the drums.
3. **Song files.** You can copy files with extension .mp3, .ogg, .flac or .wav from your personal device to the instrument. In the app, use the Files button in the top left corner of the home screen. From here, enter a local path to the file you want to copy. For example, on Windows the path might look like "C:\users\<username>\desktop\song.mp3" or on Mac "/Users/<username>/Desktop/song.mp3". You can then play songs in the app using the Music button on the left of the drumming screen.

4 Optional bass pedal use

The instrument can track the beater on a bass drum pedal if you own one and would like to use it. We recommend using a reverse beater practice pad, as upright pads may block line of sight between the sensor and the marker.

To setup your pedal, take the foot marker that is now spare, use the spanner to lock the nut at the bottom of the reflective ball in place, then unscrew the ball. Screw the ball at the tip of the pedal attachment pin, making sure it is tight. Now slide the ring on the beater shaft near where it attaches to the pedal, so the marker faces forward at a roughly 45° angle. Lock the ring firmly in place with your drum key.



5 MIDI

MIDI notes will be automatically sent over USB to a connected host device. Make sure that the USB cable you are using supports data transfer.

6 Troubleshooting

- If one of your limbs is not being tracked:
 - If you suspect the sensor can see the sun disk or a legacy light bulb directly, turn it so it cannot and reposition your seat accordingly. (By legacy light bulb we mean incandescent ones, including halogen, that are now banned from sale in many countries).
 - If the sensor is facing straight towards a window or glass door that extends below 47cm / 1.5' off the ground, and is right behind your seat, turn the sensor slightly and reposition your seat (30 degrees is normally more than enough). You can also move your seat and sensor away from the glass.
- If the tracking is wrong, check if the sensor could be seeing a mirror directly and if so, move either so it cannot.
- If when powering off the power LED (green) won't turn off after a while, you can do a hard power off (like for a computer) by pressing the button for 5 seconds.
- If after power cycling several times no sound comes out of the headphones, and you cannot get the app to connect, you can perform a factory reset of the instrument by pushing the button inside the reset pinhole with a needle, and pressing the button to power on the instrument at the same time.

We are here to help. You can contact us by email at support@aerodrums.com or by phone on +44 (0) 151 558 0025. We are available from 9am to 5:30pm London time.

7 Safety

The instrument uses lasers to guide you in placing your seat. When handling the sensor to plug power in, please keep the laser enclosures pointing towards the floor to avoid discomfort from the laser beams. When the sensor is on its stand on the floor, it is not possible to stare into the laser beams without putting your head next to the floor. Small children should not be left to play on the floor within 1.2 meters of the stand base if the sensor is plugged in.

The instrument emits infrared light for motion tracking. It presents no safety hazard as defined by the IEC EN 62471 standard.

The instrument complies with the applicable product safety standard EN IEC 62368-1:2020/A11:2020. In particular, the instrument is safe for the ears when used with headphones.

The instrument contains a radio module for wifi networking and bluetooth audio streaming. It complies with the applicable standard for electromagnetic emissions: EN 55032:2015/A11:2020, electronic immunity: EN 55035:2017/A11:2020 and radio spectrum access: EN 300 328 V2.2.2.

Hereby, Fictitious Capital Limited, trading as Aerodrums declares that the radio equipment type Aerodrums A002 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
aerodrums.com/eu-doc

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Compliance with FCC requirement 15.407(c): Data transmission is always initiated by software, which is then passed down through the MAC, through the digital and analog base band, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital base band portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the afore mentioned packets is being transmitted. In other words, this device automatically discontinues transmission in case of either absence of information to transmit or operational failure. Frequency Tolerance: ± 20 ppm. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

LASER RADIATION
DO NOT STARE INTO THE BEAMS
OR VIEW DIRECTLY WITH
OPTICAL INSTRUMENTS

CLASS 2 LASER PRODUCT
EN IEC 60825-1:2014/A11:2021
EN 50689:2021

