

Welcome & Overview

Jigabot EX (with IR Kit accessory)

Welcome to the Jigabot family! And thank you for purchasing the Jigabot EX with an IR Tracking Kit accessory.

Your new system uses our best indoor tracking technology--the same used by top professionals & organizations.

The Jigabot EX is unique in that it is our first product every priced below \$1,000. And yet it has many advanced features compared to past models, including smaller size, smaller weight, increased payload capacity, and availability in several colors.

This Users' Guide will give you an overview of how to best use your Jigabot EX to achieve great IR Tracking.

Anatomy

The Jigabot EX is housed within an extruded 6061 grade aluminum *Enclosure*, which is anodized. The *Top plate* and *Bottom plate* are also made of aluminum, as is the *Base tripod mount*.

The stainless steel *1/4"-20* screw on the top of the Jigabot EX, is used to mount a camera, or a camera mount accessory such as a smartphone mount or Ballhead accessory (which is included with your unit).

There is a *Base tripod mount* enables the Jigabot EX to be mounted to a tripod or

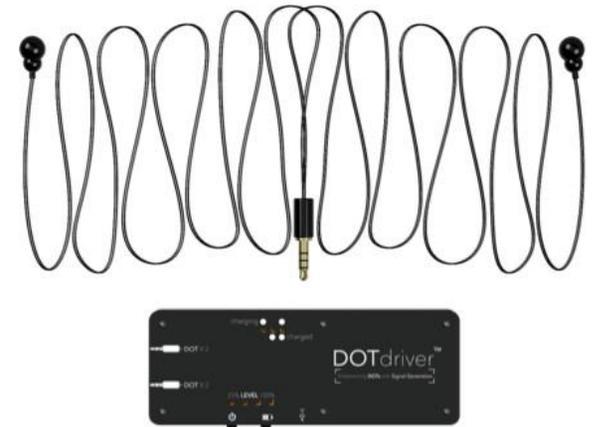
other device, and has a *3/8"-16* tap (and ships with a *1/4"-20* adapter.) This should never be removed from your Jigabot EX.

The *IR Tracking Kit* includes the *IR Tracking Plate*, the *IR Pass filter*, two *Mounting screws*, and a *Neodymium magnet*. This kit enables the Jigabot EX to automatically begin IR tracking when powered ON. IR tracking requires use of Jigabot Dots and Dot Driver, which is included with your Jigabot EX.

On the back of the Jigabot EX is the Power switch (NOTE: to power ON press the switch down), and the power Jack or connector for external power.



Two dots and a Dot driver are shown below. Please read the Users' Guide for Dots & Dot Driver found separately here: <https://www.jigabot.com/wp-content/uploads/2019/11/Dot-Driver-User-Guide-Rev.-1.pdf>



Operating

Jigabot EX (with IR Kit accessory)

Before powering ON your Jigabot EX, do the following steps:

1. Mount Accessories

If you have purchased a Top Mount, or Base Mount, etc., attach such accessories now, before mounting your EX to a Tripod or other mount. (Note: your IR Tracking Kit may come preinstalled if purchased together with your Jigabot EX).

NOTE: your camera will need an IR block filter so that it will not see/record a blinking IR light from our Dots. Most cameras and phones ship with an IR block filter. But if your camera's image sensor does not block IR light, now is the time to mount such a filter to your lens.



2. Mount to a Tripod

You can mount your Jigabot EX to a tripod, dolly, wall bracket, etc. But you should do that before mounting your camera or turning on your device. Remember to raise up your mount high enough that you will properly frame your subject as your camera is panned left and right by your Jigabot EX.

3. Mount a Camera

Mount your camera to the Jigabot EX using included Ballhead Accessory, or the Top Mount accessory (if one was previously purchased.) If using a Top Mount accessory, you can move the camera as needed to balance it; attach the camera using a 1/4"-20 or 3/8"-16 screw. If you are using a quick-release dovetail and system, now is the time to mount that to your Jigabot EX, and to your camera (this may require initial mounting of the Top Mount Accessory). Then attach your camera to your Jigabot EX via the quick-release system.

4. Attach Dots to Your Subject

Using directions found in Users' Guide for Dots and Dot Driver ([https://www.jigabot.com/wp-content/uploads/2019/11/Dot-Driver-User-Guide-](https://www.jigabot.com/wp-content/uploads/2019/11/Dot-Driver-User-Guide-Rev.-1.pdf)

[Rev.-1.pdf](https://www.jigabot.com/wp-content/uploads/2019/11/Dot-Driver-User-Guide-Rev.-1.pdf)), attach Dots to yourself or your subject. Then power ON your Dot Driver.

5. Place the Jigabot EX

Place your Jigabot EX where coverage will be best, and range is appropriate, as described in the Users' Guide for Dots and Dot Driver in Step 4 above.



Power ON & Track!

After completing the above steps, you are ready to power On your Jigabot EX. Do this by (1) plugging in a Power Supply (12V DC power), or plugging in an external battery pack (12V DC); and (2) switching the unit ON (move the switch to the down position). After about 40 seconds of "booting up," the Jigabot EX will see and follow Dots (assuming that your Dots are plugged into a Dot Driver and that too is powered ON.)

Warnings, Warranty & Support (with IR Kit accessory)

WARNINGS



Jigabot devices are precision electronic devices, and are inherently dangerous. Use at your own risk! Jigabot devices are intended to be used only in ways defined within Jigabot User Documentation, by trained professionals. They should not be operated by others, or used where others might get too close. Besides previously disclosed warnings, common sense safety is required, including the following:



Liquids. Jigabot devices are not intended to get wet. Water or other liquids will short-circuit the electronics, and cause failure.



Looking. Never look into an IR Dot; eye damage could occur. Do not block IR Sensor module. Without direct line of site the Jigabot will not track.



Clothing. Attachment of the IR Dots by its magnet to more fragile cloth or clothing can damage the clothing.



Falling & Bumping. An IR Dot & Driver are both made of hard materials. Do not attach where your body could be injured in the event of falling or bumping into another object.



Heat. Jigabot devices are sensitive to heat, and can be damaged or malfunction if they overheat. Keep the aluminum enclosure from getting too hot, or from operating in direct sunlight for extended periods of time.



Cables. Never hold a Jigabot device by any cable, particularly a power cable. Also, do not leave cables unattended, or use cables in ways that can cause choking or other physical injury.



Filters. Jigabot devices use glass filters which are fragile and if broken could cause bodily injury.



Batteries. The IR Power Pack contains Li-Ion batteries. As do Jigabot EX external battery packs. Do not expose them to extremes of heat (120 F) or cold (32 F).



Power. Do not substitute power supplies & battery chargers! Jigabot EX devices should only be operated using the included 12V power supply. External 12V battery packs should only be charged using their included AC/DC charger. IR Dot Drivers should only be charged with their included 5V USB chargers.



Pinching. All Jigabot devices are motor-powered robots which can pinch or even crush fingers or other body parts. Stay clear of Jigabot devices when they are powered ON.

LIMITED WARRANTY

Jigabot warranties its devices against faulty parts and workmanship for a period of 25 months. Judgment of original quality of parts and workmanship, and of cause of failure, is solely Jigabot's. Improper use of Emitters or Power Packs, including uses not specifically mentioned herein, will void your warranty.

IR Emitter & Power Packs include a 90-day Return Policy. Conditions & Exclusions apply: www.Jigabot.com>Returns/

SUPPORT & HELP

Please find additional User Documentation at www.Jigabot.com/docs/.

Email questions to: support@Jigabot.com