



Bug Labs, Inc
598 Broadway 4th Floor
New York, NY 10012
p. 212-792-6357
www.buglabs.net

User Manual

http://wiki.buglabs.net/index.php/Hardware:BUG_YT_Start_Guide

Welcome to BUG! This guide will help you get started with BUG Y.T.

Intended Audience

The intended Audience for this start guide is new users who are setting up BUG Y.T. the first time.

Front Side

Position your Bug Y.T. so that looks like the first image below. The "Front" image is one which has letters A through D pointing at the set of controls on the front of the Bug Y.T. You will notice the top and bottom of the Bug Y.T. look the same, so you need to make sure the Tripod mount (identified by E) is also facing you and Slots 0 and 1 are face up.

BUGbase Y.T. Edition



Front

- A. Select button (user programmable)
- B. Status icons
- C. Open slot for MicroSD user storage
- D. Power button

Side

- E. Tripod mount

Back

- F. System MicroSD card
- G. BUGstinger connector
- H. USB On-The-Go connection
- I. Audio jack
- J. A/C Power adapter

Do not remove the System SD card except for kernel and rootfs modifications

Connecting Modules the Right Way

There are 4 slots for plugging in modules, usually identified as Slots 0, 1, 2, and 3.

* As shown in the diagram above, Slot 1 is also the dedicated Video Slot where you plug in the LCD module (BUGview2) or the BUGvideo module.

* The other slots are multi-purpose and you can plug any compatible modules into these slots.

The illustration below shows the proper way of connecting modules to Bug Y.T.

Connecting BUGmodules to the BUGbase

The "Hook and Snap" method.



Safely Removing Modules

As shown in the illustration below, removing BUG modules requires the reverse of the Hook and Snap technique.

Removing BUGmodules from the BUGbase

Reverse the "Hook and Snap" method by placing your thumb in the groove of the BUGmodule and gently rock the BUGmodule in the opposite direction.



Powering Up Your BUG

- * Insert A/C power adapter into Bug Y.T.
- * Connect your LCD module in the Video slot (Slot 1).
- * Connect your BUGstinger
- * Press and release the power button on your BUG.
- * The Bug Y.T. will take approximately 2-3 minutes to boot.
 - **The first time you boot your Bug Y.T. will take a bit longer.
- * While it is booting you'll see the BUG logo slowly breathing.
- * If you'd like more information of BUG's boot process, follow the Software:Ubuntu-Debian_Serial_Terminal instructions.

Powering Down Your BUG

Hold the power button down for 2 seconds and let go.
If you're in the terminal, you'll see this message:

The system is going down for system halt NOW!

Continue learning about how to use your BUG here:

[http://wiki.buglabs.net/index.php/Welcome to BUG Wiki](http://wiki.buglabs.net/index.php/Welcome_to BUG_Wiki)

FCC Statements

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

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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/ TV technician for help.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located except with BugBee modules.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

- The combined output power is less than the FCC limit that requires hand-SAR evaluation - Complies with the Maximum Permissible Exposure limit

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.