

Command Center Module (CCM) Manual

CONGRATULATIONS on the purchase of your new iCOMBAT advanced laser tag system. iCOMBAT has a system for every type of player and market, so whichever you choose, you won't be disappointed. There isn't a more feature packed laser tag system available. Plus, you won't have to worry about the durability of any iCOMBAT product. You can quickly set up games and connect to the ICE software with the CCM for total scoring and game control.

Safety

WARNING

iCOMBAT systems are designed to be used anywhere. However, laser tag game participants must never play in an unsafe area, such as where paintball markers or real firearms are being used, as serious injury could result from being struck by a projectile. Always be sure your playing area is safe and approved by the owner.

CAUTION

The developers at iCOMBAT have taken great care designing a product that can be used safely. We have developed our product around IR LED technology. Our IR LED (light emitting diode) barrel transmits invisible infrared light, just like your television remote. These LEDs are basically a small light source that emits invisible infrared light. Our units are designed to operate at safe levels and do not constitute any form of health hazard. However, as with any light source, we recommend that the user take precautions to avoid unnecessary exposure by never looking down the barrel at close range or aiming the barrel at someone's eyes while firing the system.

CAUTION

Always pay attention to the game organizer and safety briefings when instructed. Be aware of any signs or special hazards in area.

CAUTION

Never modify your iCOMBAT systems in any way at any time for any reason. Repairing the product may only be done by a certified iCOMBAT technician or with their permission. Disassembly of the products might damage sensitive electronics or internal components and immediately voids the factory warranty.

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Liability Statement

This product is surrendered by iCOMBAT with the understanding that the purchaser and or user assumes all liability resulting from unsafe handling or any action that constitutes a violation of any applicable laws or regulations. iCOMBAT shall not be liable for personal injury, loss of property or life resulting from the use of this product under any circumstances. All information contained in this manual is subject to change without notice. iCOMBAT reserves the right to make changes and improvements to products and manuals without incurring any obligation to incorporate such improvements in products previously sold.

Warranty

iCOMBAT warrants that this product is found free from defects in materials and workmanship for a period of one year from the original date of purchase by the initial owner/purchaser. This warranty does not apply to a) defects discovered after purchase which were caused by the unauthorized modifications, alterations or misuse of the purchased product; b) consumable parts such as batteries, o-rings, or other components designed to diminish or may wear out over time; c) cosmetic damage, including but not limited to, scratches, dents, rips, tears, or broken plastics and metals; d) damage caused by accident, abuse, misuse, liquid contact, fire, flood, or other external cause; e) damage occurring from operating product outside of iCOMBAT's published guidelines found in this manual or otherwise; f) damage caused by service such as upgrades and expansions performed by anyone who is not a representative of iCOMBAT; g) iCOMBAT products that have been functionally or capability modified without written permission from iCOMBAT; h) defects caused by normal wear and tear or otherwise due to normal aging of the iCOMBAT product; i) an iCOMBAT product in which the serial number has been removed or defaced, or is otherwise illegible. Determining a product's warranty status is solely the responsibility of iCOMBAT. iCOMBAT will repair or replace, without charge, any of its products that have failed through defect in material or workmanship.

IMPORTANT: Do not open or otherwise disassemble your iCOMBAT product without express written permission from an authorized iCOMBAT representative. Opening or disassembling the product may cause damage that is not covered under warranty.

EXCEPT AS EXPRESSLY STATED HERIN, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, OF THE PRODUCTS OR SERVICES FURNISHED BY ICOMBAT. ICOMBAT SPECIFICALLY DISCLAIMS AND EXCLUDES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ICOMBAT SHALL NOT BE LIABLE FOR, NOR DOES ICOMBAT AUTHORIZE ANY PERSON TO ASSUME FOR ICOMBAT, ANY LIABILITY IN CONNECTION WITH THE PRODUCTS OR SERVICES FURNISHED BY ICOMBAT INCLUDING, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, LIABILITY FOR LOSS OF PRODUCTION, PRODUCT, EQUIPMENT OR PROFITS OR LIABILITY FOR DIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES TO PERSONS OR PROPERTY. PURCHASER AGREES THAT PURCHASER'S SOLE REMEDY FOR LIABILITY OF ANY KIND, INCLUDING NEGLIGENCE WITH RESPECT TO THE PRODUCTS AND SERVICES FURNISHED BY ICOMBAT SHALL BE LIMITED TO THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY.

Service

If you begin to notice odd performance with any of your iCOMBAT gear, please contact iCOMBAT Customer Service at 888-950-1221 right away. You may also email iCOMBAT Service at support@iCOMBAT.com.

All iCOMBAT products are covered under a 1 year limited warranty from the time of purchase. If your iCOMBAT product must be serviced, contact iCOMBAT Customer Service at support@iCOMBAT.com to receive return instructions. If your product is found to be outside of warranty, iCOMBAT will contact you with any charges before proceeding to repair your product. You are responsible for all shipping charges to and from iCOMBAT for both warranty and non-warranty repairs. In most cases, iCOMBAT can simply send you the parts you require for repair if a technician has approved.

AS STATED ABOVE, YOU ARE RESPONSIBLE FOR ALL SHIPPING CHARGES TO AND FROM ICOMBAT FOR ANY/ ALL SERVICES BOTH UNDER WARRANTY AND NOT UNDER WARRANTY.

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FCC NOTICE

This product contains FCC ID: UYI24

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.

Instruction to user:

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 (on radio, TV, or other device).
- * Increase the separation between the equipment and receiver.
- * Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables are used with this equipment or product. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment or product without the approval of manufacturer could void the user's authority to operate this equipment as well as the factory warranty.



WARNING - RF EXPOSURE

WARNING: To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation distance of 20cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

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Take a few minutes and orient yourself with the CCM. Become familiar with its antenna and design, as well as the supplied mini-USB cord. The antenna is removable.



Step 1

Plug in the supplied USB cord to the CCM unit, and then plug it into your computer. After the drivers finish installing, your CCM will be ready to use.

Step 2

Download and run the iCOMBAT Engine (ICE) software to manage your equipment and games. See product manuals and ICE tutorial videos on www.icombat.com/support for further equipment on using each.

Performance Specifications

RF Range

Communication between the CCM and equipment uses radio frequency (2.4 Ghz RF), which has a maximum effective range of 1 mile (1.6 km). Dense brush, metals, and concrete can weaken the RF signal.

You can purchase an antenna booster and high gain antenna to boost your signal from the CCM server to the units. See <http://icombat.com/news/news-details/boosting-your-ccm-signal>

Barracuda / Eagle Eye Manual

User Limit

You can connect up to 100 pieces of equipment to your computer with the CCM, but this number depends on the speed and performance of your computer.

Battery Life

The CCM does not use nor require a battery. It is powered by the USB port on your computer.

Environmental Conditions

The CCM works in most weather conditions, but it is highly recommended that you keep it connected and stored indoors. If using outdoors, we suggest placing it in a waterproof bag or non-metallic box to keep it safe from the elements.

USB Cord Restrictions

There is a limit to the length of the USB cord you are using with the CCM. We recommend using the one supplied, but if you desire more distance, a cord up to 10 ft long may be used. The CCM is powered by the USB outlet only, meaning the emitted signal gets weaker the longer the cord is.

Updating Software

You can update the software on your unit by downloading the iCOMBAT Engine (ICE) online. Once that is installed, simply plug in your unit with a USB cord, select Command Center Module under USB Devices, and then click Update if applicable.



CAUTION

DO NOT YANK USB CORD OUT OF CCM. GENTLY GRAB IT AND REMOVE.