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VATOS BB7001B

VATOS 360° Sensor Laser Tag Set Instruction Manual

Model: BB7001B | Brand: VATOS

Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your VATOS 360° Sensor Laser Tag Set. Designed for 4 players, this set features rechargeable laser guns, vests, and back receivers with a 360° sensor system, energy cards for in-game power-ups, an LCD screen for real-time game data, and 2.4GHz wireless synchronization. Please read this manual thoroughly before use to ensure a safe and enjoyable experience.

Safety Information

Warning: Toy inside, not suitable for children under 6 years old. Do not use in water or expose directly to water.

- This infrared battle system uses zero physical projectiles, ensuring safe play.
- Avoid aiming directly at eyes.
- Do not modify or disassemble the product.
- Use only the provided charging equipment.

For safe and worry-free play, ensure all players understand and follow these guidelines.



Image: Children engaging in laser tag, highlighting the safe infrared technology and worry-free gameplay.

Package Contents

Your VATOS 360° Sensor Laser Tag Set includes the following components:

- 4 x Laser Guns (Blasters)
- 4 x Chest Armors (Vests)
- 4 x Back Receivers
- 1 x Charging Station
- 4 x Energy Cards
- 4 x Lanyards (for Energy Cards)
- 4 x Adapter Connectors
- 2 x USB Charging Cables (for Chest & Back Receivers)

- 1 x USB Charging Cable (for Charging Station)
- 1 x Instruction Manual (multi-language)



Image: A comprehensive visual guide to all 29 components included in the VATOS Laser Tag Battle Set.

Setup Guide

1. Charging the Devices

Before your first game, ensure all blasters, vests, and back receivers are fully charged.

1. **Blasters:** Place the blasters into the dedicated charging station. A **red light** indicates charging, and a **green light** indicates a full charge.
2. **Vests & Back Receivers:** Use the included 1-to-4 USB charging cable to connect all vests and back receivers to a power source. The charging indicator lights will turn off when fully charged.

A full charge typically takes 3-4 hours and provides enough power for 7-8 game rounds, each lasting approximately 30 minutes.



Image: Visual guide to charging the laser tag blasters, vests, and back receivers.

2. Pairing Blasters and Vests

Pairing is required to start the game. Follow these steps for each player's blaster and vest:

1. **Power On:** Turn on both the blaster and the vest. You will hear a voice prompt saying "Please Pair".
2. **Shoot the Vest:** Aim the blaster at the vest and press the trigger. The vest will then prompt "Please choose the team".
3. **Select Team:** Press the team button on the vest to select your desired team (Blue, Red, Green, or White). The selection will auto-lock after 3 seconds.



Image: Detailed steps for pairing the blaster and vest.

3. Pairing Back Receivers

The back receiver provides 360° combat coverage. It can be paired anytime after the blaster and vest are paired, either before or during gameplay.

1. **Power On:** Turn on the back receiver.
2. **Enter Pairing Mode:** On your paired blaster, long-press the mode button. You will hear a voice prompt saying "Add Equipment".
3. **Shoot the Back Receiver:** Aim the blaster at the back receiver and press the trigger. The back receiver's team indicator light will auto-sync with your team color.



Image: Detailed steps for pairing the back receiver with the blaster.

Operating Instructions

1. Blaster Controls and Features

Familiarize yourself with the blaster's various controls and indicators:

- **Power Switch:** Turns the blaster on/off (long press).
- **Gun Type Switch:** Cycles through 4 weapon modes (Single Shot, Shotgun, Submachine Gun, Machine Gun).
- **Magazine Button:** Press to refill ammo to the maximum capacity for the current weapon mode.
- **Mode Switch:** Short press to enter Energy Card mode; long press to enter back receiver pairing mode.
- **Mute Switch:** Toggles sound on/off.
- **LED Indicator Bar:** Provides visual feedback.
- **Illumination Light:** Enhances gameplay experience.
- **Card Sensor Zone:** Area for activating Energy Cards.
- **Team Indicator Light:** Displays your team color (Blue, Red, Green, White).



Image: Labeled diagram of the laser tag blaster's components.

2. Vest and Back Receiver Controls

The vest and back receiver are crucial for tracking hits and displaying game status:

- **Power Switch:** Turns the device on/off (long press).
- **Team Selection Button:** Used during pairing to select your team.
- **Team Indicator Light:** Displays your team color.
- **Charging Indicator Light:** Shows charging status.
- **Charging Type-C Port:** For connecting the charging cable.
- **Signal Reception:** Areas where hits are registered.



Image: Labeled diagram of the chest armor and back receiver components.

3. Understanding the LCD Display

The blaster's LCD screen provides real-time battle status at a glance:

- **Health Points (HP):** Shows your current health.
- **Ammo Count:** Displays remaining ammunition.
- **Battery Level:** Indicates the device's battery status.



Image: The LCD display on the blaster, showing key game information.

4. Game Modes and Weapon Selection

The blaster features 4 distinct weapon modes, each with unique characteristics:

Weapon	Initial Ammo Capacity	Attack Power
Single Shot	9	1
Shotgun	6	2
Submachine Gun	6	2

Weapon	Initial Ammo Capacity	Attack Power
Machine Gun	3	3

Use the **Gun Type Switch** on the blaster to change weapon modes during gameplay. Remember to reload manually after switching modes by pressing the **Magazine Button**.

5. Using Energy Cards: Activating Power-Ups

The exclusive Energy Card system adds a strategic element to your game. Each card provides 4 exciting power-ups, with each skill usable up to 3 times per game:

1. **Select Skill:** Press the mode button on your blaster and follow the voice prompts to select a skill.
2. **Insert Card:** Slide the Energy Card into the blaster's sensor slot (below the gun chamber). The skill activates when the light bar is fully lit.

The available power-ups are:

- **Full Health Restore:** Replenishes your health points.
- **Magazine Expansion:** Boosts your ammo capacity. Each use adds 1/3 of the base capacity; after 3 uses, total ammo capacity doubles.
- **Stealth Invincibility:** Grants temporary invisibility for 10 seconds.
- **Resurrection Reset:** Instantly revives you if your HP hits 0 and you hear "Game Over". Simply insert the card when the orange light bar is full.



Image: Step-by-step guide for activating Energy Card skills.

6. 360° Sensor System

The VATOS laser tag set features a comprehensive 360° sensor system to ensure accurate hit detection from any direction. This system includes sensors on the blaster, chest armor (vest), and back receiver. All three components are synchronized in real-time via 2.4GHz technology, providing instant health updates and eliminating blind spots.
The shooting range extends up to 40 meters, allowing for dynamic indoor and outdoor gameplay.



Image: Illustration of the 360° combat system with multiple target sensors.

7. Sensory Feedback

Experience immersive gameplay with triple sensory feedback:

- **Sound:** Realistic sound effects for shots, hits, ammo alerts, and voice guidance for pairing and team selection.
- **Vibration:** The blaster vibrates with every shot, enhancing realism.
- **Sight:** The LCD screen provides instant visual updates on health, ammo, and battery.

You can mute the sound effects using the**Mute Switch** on the blaster if desired.

Maintenance

Proper care will extend the life of your laser tag set:

- **Cleaning:** Wipe down all components with a dry, soft cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the set in a cool, dry place away from direct sunlight and extreme temperatures. The charging station can also serve as a storage base to keep components organized.
- **Water Exposure:** As mentioned in safety information, do not expose the devices to water or use them in wet conditions.

Troubleshooting

If you encounter issues with your VATOS Laser Tag Set, try the following:

- **Device Not Turning On:** Ensure the device is fully charged. Check the charging indicator lights during charging.
- **Pairing Issues:** Make sure all devices are powered on and within close proximity during the pairing process. Follow the voice prompts carefully. If issues persist, try restarting all devices.
- **No Hit Registration:** Ensure all sensors (blaster, vest, back receiver) are unobstructed and facing the playing area. Verify that devices are properly paired.
- **Short Battery Life:** Ensure devices are charged for the recommended 3-4 hours. Battery performance may vary with

usage intensity.

For further assistance, please refer to the official VATOS support channels.

Specifications

Feature	Detail
Brand	VATOS
Model Number	BB7001B
Age Range Description	Kid (Recommended 6 years and up)
Number of Players	4
Connectivity	2.4GHz Real-Time Sync
Sensor Coverage	360° (Blaster, Vest, Back Receiver)
Weapon Modes	4 (Single Shot, Shotgun, Submachine Gun, Machine Gun)
Special Features	Energy Cards, LCD Screen, Realistic Sound & Vibration, Voice Guidance
Charging Time	Approx. 3-4 hours
Play Time per Charge	Approx. 7-8 rounds (30 minutes each)
Material Type	Plastic
Item Dimensions (Blaster)	6.69"L x 1.38"W x 8.86"H

Warranty and Support

Manufacturer Warranty: This product comes with a 90-day warranty against manufacturer defects.
For any product inquiries, technical support, or warranty claims, please contact VATOS customer service through the retailer's platform or the official VATOS website. Please have your model number (BB7001B) and purchase information ready.

Product Videos

Video: An overview of the VATOS Laser Tag Set components, including the energy card, laser gun, rear receiver, and vest.

Video: Demonstrates the features and usage of the Energy Card with the laser gun, showing how to activate in-game power-ups.

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