CYCPLUS U10

User Manual for CYCPLUS USB ANT+ Stick Dongle Adapter U1

Model: U10

1. PRODUCT OVERVIEW

The CYCPLUS USB ANT+ Stick Dongle Adapter U1 is a wireless receiver designed to bridge the gap between traditional bike trainers and modern cycling software. It receives ANT+ wireless radio signals from various sensors and translates them into a USB protocol, enabling seamless integration with popular training applications. This device is essential for indoor cycling enthusiasts looking to enhance their virtual training experience.

Figure 1: Front view of the CYCPLUS USB ANT+ Stick Dongle Adapter. This compact device features a standard USB-A connector on one end and the ANT+ receiver module on the other, designed for easy plug-and-play functionality with computers.

2. SETUP GUIDE

Setting up your CYCPLUS USB ANT+ Stick Dongle Adapter is straightforward.

1. **System Compatibility:** Ensure your computer runs on a compatible operating system. The U1 dongle is designed for use with PC/Laptop running Windows or macOS. *Please note: This device is not compatible with Android or iPhone*

mobile devices.

2. **Connect the Dongle:** Insert the USB ANT+ stick into an available USB port on your desktop or laptop computer.

3. **Driver Installation:** In most cases, the required drivers will install automatically upon connecting the device to your computer. If automatic installation does not occur, or if you encounter any driver-related issues, please contact CYCPLUS customer service for assistance.

4. **Optimal Placement:** For best performance, position the dongle within 3 meters (approximately 10 feet) of your ANT+ sensors (e.g., bike trainer, heart rate monitor, speed/cadence sensors). The maximum effective range is 5 meters.

Figure 2: Side view of the CYCPLUS USB ANT+ Stick Dongle Adapter, highlighting the USB connector. This view demonstrates its compact design, making it easy to plug into any standard USB port.

3. OPERATING INSTRUCTIONS

Once the ANT+ dongle is successfully set up, you can begin using it with your preferred cycling applications.

- **Software Compatibility:** The CYCPLUS U1 dongle is compatible with popular indoor cycling software platforms, including Zwift, TheSufferfest, TrainerRoad, and Rouvy.

- **Sensor Data Collection:** The dongle is designed to collect various sensor data via the ANT+ wireless protocol. This includes:
  - Cadence sensors
  - Speed sensors
  - Heart rate monitors
  - Power meters

  Ensure your sensors are ANT+ compatible and properly paired within your cycling application.

- **Channel Support:** The dongle supports 8 ANT+ channels, allowing it to connect to multiple sensors simultaneously.

- **Using with Cycling Software:**
  1. Launch your chosen cycling application (e.g., Zwift).
  2. Navigate to the device pairing or sensor connection section within the application.
  3. The application should detect the ANT+ dongle and then allow you to search for and connect to your ANT+ enabled sensors.
  4. Follow the on-screen prompts within the application to complete the pairing process for each sensor.

4. MAINTENANCE

The CYCPLUS USB ANT+ Stick Dongle Adapter U1 requires minimal maintenance to ensure its longevity and optimal performance.

- **Cleaning:** Gently wipe the exterior of the dongle with a soft, dry cloth to remove dust or debris. Avoid using liquid cleaners or abrasive materials.

- **Storage:** When not in use, store the dongle in a dry, cool place, away from direct sunlight and extreme temperatures. Protect the USB connector from damage.

- **Handling:** Handle the dongle with care. Avoid dropping it or subjecting it to strong impacts, which could damage internal components.

5. TROUBLESHOOTING

If you encounter issues with your CYCPLUS USB ANT+ Stick Dongle Adapter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Dongle not recognized by computer.	- Loose USB connection. - Driver not installed or corrupted. - Faulty USB port.	- Ensure the dongle is firmly inserted into the USB port. - Try a different USB port on your computer. - Check Device Manager (Windows) or System Information (macOS) for driver status. If needed, contact customer service for driver support. - Restart your computer.
Sensors not connecting or frequently disconnecting.	- Dongle too far from sensors. - Interference from other wireless devices. - Sensor battery low. - Incorrect sensor pairing in software. - Software-specific ANT+ protocol issues (e.g., Wahoo Kickr protocol vs. ANT FEC).	- Move the dongle closer to your sensors (ideally within 3 meters). - Minimize other wireless devices (Wi-Fi routers, Bluetooth devices) near the dongle during use. - Replace batteries in your ANT+ sensors. - Ensure correct sensors are selected and paired within your cycling application. - If using a Wahoo trainer, try switching to ANT FEC protocol in your software settings if available.
Dongle not working with Android/iPhone.	Incompatibility.	The CYCPLUS U1 dongle is designed for Windows and macOS computers only and is not compatible with Android or iPhone devices.

6. SPECIFICATIONS

Feature	Detail
Brand	CYCPLUS
Model Number	U10
Color	Black (U1 Stick)
Material	ABS
Dimensions (L x W x H)	18.5mm x 14.5mm x 6mm (0.72" x 0.57" x 0.24")
Item Weight	1.7g (0.06oz) / 0.634 ounces (packaged)
Wireless Protocol	2.4Ghz ANT+ wireless communications protocol

Feature	Detail
Range	5 meters (Best performance within 3 meters)
Channel Number	8
Hardware Interface	USB
Data Link Protocol	USB
Data Transfer Rate	3 Megabits Per Second
Compatible Operating Systems	Windows, macOS
Supported Software	Zwift, TheSufferfest, TrainerRoad, Rouvy

7. WARRANTY AND SUPPORT

CYCPLUS is committed to providing high-quality products and excellent customer service.

- **Warranty:** All CYCPLUS products, including the USB ANT+ Stick Dongle Adapter U1, come with a two-year warranty and full lifetime service.

- **Customer Support:** If you have any questions, require technical assistance, or encounter any issues not covered in this manual, please do not hesitate to contact CYCPLUS customer service. We are always ready to assist you.

Related Documents - U10

	[Cycplus U10 ANT+ USB Adapter User Manual and Specifications](#) Comprehensive user manual for the Cycplus U10 ANT+ USB adapter, covering its features, intended use, safety guidelines, technical specifications, environmental compliance, and EU declaration of conformity. Ideal for connecting cycling trainers and devices wirelessly.
	[CYCPLUS T3 Smart Bike Trainer User Manual](#) User manual for the CYCPLUS T3 Smart Bike Trainer, covering setup, installation, usage, and specifications. Learn how to connect your bike, understand working modes, and troubleshoot common issues.

CYCPLUS Smart Bike Trainer T3 User Manual	[CYCPLUS T3 Smart Bike Trainer User Manual](#) Comprehensive user manual for the CYCPLUS T3 Smart Bike Trainer, covering setup, installation, operation, and specifications. Learn how to connect your bike, use the CYCPLUS app, and troubleshoot common issues.
CYCPLUS Smart Bike Trainer T2 H User Manual	[CYCPLUS T2H Smart Bike Trainer User Manual](#) Comprehensive user manual for the CYCPLUS T2H Smart Bike Trainer, covering unboxing, installation, setup, working modes, application usage, troubleshooting, and specifications.
CYCPLUS Smart Bike Trainer T2 User Manual	[CYCPLUS T2 Smart Bike Trainer User Manual](#) User manual for the CYCPLUS T2 Smart Bike Trainer, covering setup, installation, working modes, applications, and specifications.
CYCPLUS R200 Smart Bike Trainer User Manual	[CYCPLUS R200 Smart Bike Trainer User Manual](#) This user manual provides instructions for the CYCPLUS R200 Smart Bike Trainer, covering unboxing, installation, setup, and specifications. Learn how to connect your bike, use different modes, and troubleshoot common issues.