MARS HYDRO iConnectu Controller

MARS HYDRO 2025 iConnectu Controller User Manual

Model: iConnectu Controller
Brand: MARS HYDRO

1. Introduction

The MARS HYDRO 2025 iConnectu Controller is designed to enhance your grow light experience by providing seamless remote control and monitoring capabilities. This device connects to compatible MARS HYDRO LED grow lights, allowing you to manage dimming, schedules, and monitor your grow operation 24/7 from anywhere using the MarsPro app via WiFi or Bluetooth.

It offers precise dynamic PPFD control for each plant growth stage and supports the creation of different lighting groups for independent management of various cultivations. Its compact design and easy installation make it a flexible addition to your smart planting solution.

2. Product Overview

The iConnectu Controller is a compact USB device designed for integration with your MARS HYDRO grow lights. It features a single button for WiFi configuration and a clear status indicator light.



Figure 2.1: MARS HYDRO iConnectu Controller

2.1. Components

The iConnectu Controller package typically includes:

- 1 x iConnectu Controller (USB device)
- 1 x User Manual



Figure 2.2: iConnectu Controller with protective cap removed, showing the USB connector.



Figure 2.3: iConnectu Controller with protective cap in place.

3. Setup

Follow these steps to set up your iConnectu Controller:

1. **Identify Compatible Light:** Ensure your MARS HYDRO grow light is a new version FC, FC-E, or SP3000 series model with an RJ12 port for controller connection.
2. **Insert Controller:** Locate the RJ12 port on your compatible grow light's control box. Carefully insert the iConnectu Controller's USB end into this port.
3. **Power On:** Ensure your grow light is powered on. The iConnectu Controller will receive power directly from the light.
4. **Download MarsPro App:** Download the official MarsPro app from your device's app store (available for iOS and Android).
5. **Connect via App:** Open the MarsPro app and follow the on-screen instructions to connect to your iConnectu Controller via Bluetooth or WiFi. You may need to press the WiFi configuration button on the controller to initiate pairing.



Figure 3.1: MarsPro App Dimming Control interface, showing the iConnectu-USB connection point on the light's control box.

3.1. Unboxing and Initial Setup Video

Video 3.1: This video demonstrates the unboxing and initial setup of a compatible MARS HYDRO FC-E1500 LED Grow Light, including the connection of the controller. (Duration: 4:51)

4. Operating the Controller

4.1. App Control (MarsPro App)

The MarsPro app provides comprehensive control over your connected grow lights:

- **Dimming Control:** Adjust the light intensity (PPFD) dynamically to suit different plant growth stages.
- **Scheduling:** Set precise on/off times and dimming levels for automated grow plans.

- **Group Management:** Divide your grow lights into different groups for independent control and monitoring of multiple cultivation areas.
- **Remote Monitoring:** Monitor your grow lights' status from anywhere with an internet connection.



Figure 4.1: MarsPro App interface for setting timers and schedules.

4.2. Alternative Dimming Functions

While the iConnectu Controller enables app-based dimming, compatible lights may also offer manual dimming via a knob on the light's control box.



Figure 4.2: Illustration of dimming options: via Mars Hydro App (with iConnectu) or manual knob control.

4.3. Light Effect Demonstration Video

Video 4.1: A brief demonstration of the light effects and dimming capabilities of a MARS HYDRO FC-E1500 LED Grow Light. (Duration: 0:24)

5. Compatibility

The iConnectu Controller is specifically designed to work with the new version of MARS HYDRO FC, FC-E, and SP3000 series LED Grow Lights. It is an integral part of the MarsPro smart ecosystem, allowing for seamless integration with

other smart products like Mars Hydro iFresh and itime to build a complete smart planting solution.

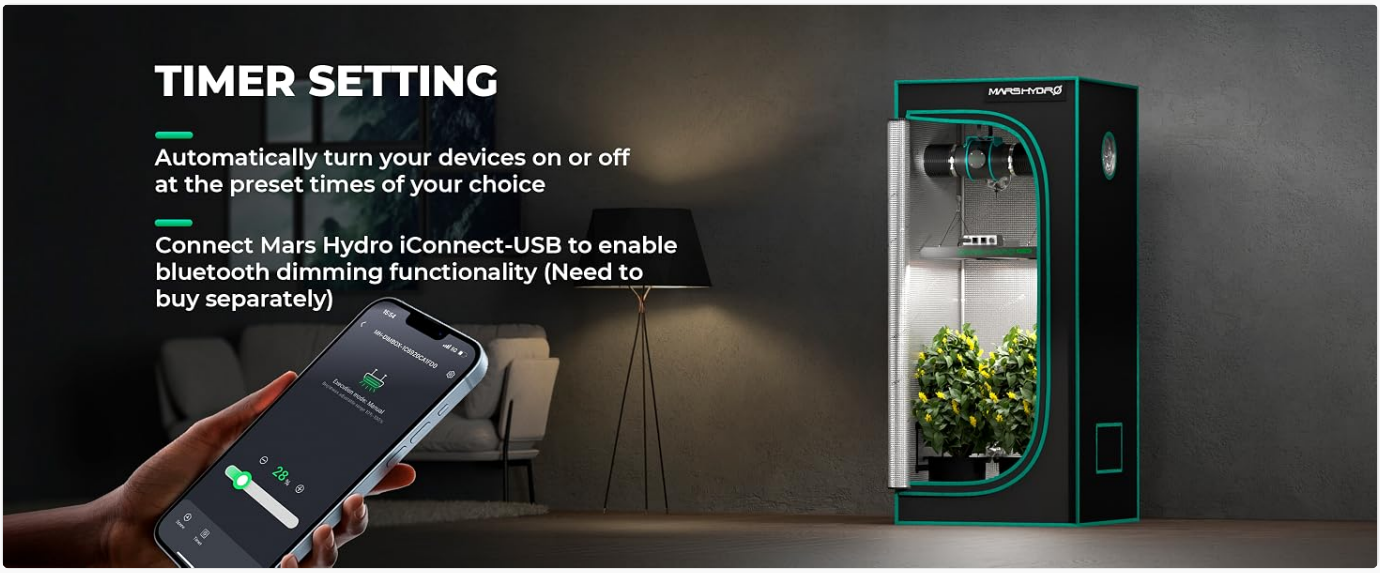


Figure 5.1: Overview of the Mars Hydro Smart Accessories ecosystem, including iConnectu and iConnectu-TEMP.

5.1. Compatible Light Series Overview Video

Video 5.1: This video provides an overview of the MARS HYDRO NEW VERSION FC-E SERIES and its compatibility with ADLITE SERIES supplemental lights. (Duration: 1:22)

5.2. Foldable FC-E Series Video

Video 5.2: A short video showcasing the 2024 New Version Foldable FC-E Series and its integration with Adlite Series. (Duration: 0:26)

6. Specifications

Feature	Detail
Brand	MARS HYDRO
Model	iConnectu Controller
Product Dimensions	2.95 x 1.18 x 0.62 inches
Item Weight	2.39 ounces
Charging Port Type	USB
Operating Temperature	20 Degrees Celsius
Voltage	12 Volts (DC)
Color	Grey
Material	Aluminum
Display Type	LCD or LED (referring to compatible lights)

Feature	Detail
Country of Origin	China

7. Maintenance

To ensure the longevity and optimal performance of your iConnectu Controller:

- **Cleaning:** Gently wipe the controller with a dry, soft cloth to remove dust or debris. Do not use liquid cleaners or immerse the device in water.
- **Storage:** When not in use, store the controller in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the protective cap on the USB connector.
- **Handling:** Handle the controller with care to avoid physical damage to the USB connector or internal components.

8. Troubleshooting

If you encounter issues with your iConnectu Controller, refer to the following common solutions:

- **Controller Not Connecting to App:**
  - Ensure the controller is fully inserted into the RJ12 port of a compatible MARS HYDRO grow light.
  - Verify that the grow light is powered on.
  - Check your device's Bluetooth and/or WiFi settings to ensure they are enabled.
  - Restart the MarsPro app and try connecting again.
  - If using WiFi, ensure your network is stable and the controller is within range. Try pressing the WiFi configuration button on the controller.
- **Dimming/Schedules Not Working:**
  - Confirm that the iConnectu Controller is properly connected and recognized by the MarsPro app.
  - Ensure your grow light model is compatible with the iConnectu Controller (new version FC, FC-E, SP3000).
  - Check the settings within the MarsPro app for correct dimming levels and schedule configurations.
  - If the light has a manual dimmer knob, ensure it is set to 'EXT' (External) or 'MAX' to allow app control, as per your light's specific instructions.
- **Controller Status Light Behavior:**
  - Refer to the MarsPro app or the controller's user manual for specific meanings of different light patterns (e.g., solid, blinking) which indicate connection status or errors.

9. Warranty and Support

9.1. Warranty Information

The MARS HYDRO 2025 iConnectu Controller comes with a**1-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, warranty claims, or any other inquiries, please contact MARS HYDRO customer support through their official website or the contact information provided in your product packaging. Ensure you have your product model and purchase details ready when contacting support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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