MECHA

IR REMOTE COMMANDER & RECEIVER

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MECHA IR Remote Commander & Receiver

Introduction

IR Remote Commander and Receiver for MECHA is a kit specially designed by Fanotec to work with MECHA C1 and C2 Controllers. It allows basic controls and execution of program presets wirelessly without touching the camera, controller or any smart device.

MECHA C1 Controller

Commander (Transmitter)

MECHA C2 Controller

Although both controllers have their own buttons, they cannot be used when mounted on a high pole, such as Fanotec Carbon Fiber Pole Series 3 – 9.25m extended, or even on the Travel Pole – 2.9m extended.

In this case, remote control is very helpful and the only solution at the same time.

However, occasionally you may not want to touch the controller for some reason, or it may be much more comfortable to use the remote control than the controller or a smart device.

Use it with MECHA to rotate a turntable, and your life will be much easier.

Before First Use

- First, remove the battery cover on the back of the IR Remote Commander and insert two AAA batteries paying attention to polarity.

- To be able to use the IR Remote Commander and Receiver for MECHA, connect the Receiver to the **Aux Port** of the C1 or C2 Controller used.

MECHA C1 Controller

MECHA C2 Controller

Receiver

- Access the *Configuration* page of MECHA at:

  192.168.8.1/config

User:	**admin**
Password:	**Mecha**

  - and check the following checkbox – **required**:
    - → ***Use Nodal Ninja IR Remote***

  - Check the following checkbox on the *Configuration* page if you prefer to press the Commander's power button twice to power off MECHA:
    - → ***Double press the Nodal Ninja IR Remote power button for power OFF***

Functions

The buttons of IR Remote Commander have functions similar to those of the equivalent buttons on C1 and C2 Controllers.

Power Button

- ⏻ The power button has many functions and can be used as follows:
  - To power off MECHA:
    - → Long press is required, unless otherwise set on the *Configuration* page.
    - → If the checkbox **Double press the Nodal Ninja IR Remote Power button for power OFF** is checked on the *Configuration* page, press the power button twice to power off MECHA.

  > To power on MECHA, use the ⏻ button on the C1 or C2 Controller used.

  - To confirm or cancel some operations, for example:
    - → If you enter a code and notice on C2's display or on C1's LEDs that the code is wrong, before specifying the direction, you can cancel the code with the power button and enter the code again.
  - Use the power button to exit the C2's Menu Mode.
  - Use the power button to check the battery level when MECHA is idle.
  - It is also the equivalent of the number 0 (zero) when power codes are entered.

  > Power codes are codes that start with zero. They can be used as shortcuts for executing a preset. For example, you can execute the preset **01 PresetName** very easily with the ⏻ 1 button combination.

> ⚠ Please note that the power button, ⏻, can always be used as an emergency stop, if necessary, except for the speed calibration procedure (code: 123123<).

Menu Button

- ▤ With C2 Controller, use this button to show the C2's menus on the display and also to switch from a menu to another.

Directional Buttons

- ◀▶ Use the left and right buttons to rotate the system manually to the left and to the right, respectively, and also to specify the direction when launching a preset using the IR Commander's buttons, as terminator for codes (similar to the Enter key).

- ▲▼ The up and down buttons control the up and down movement of the upper rotator, when two rotators are used.

Trigger Button

- ⛶ The button located in the middle of the arrow buttons has a camera trigger or confirmation function. During a pause, pressing ⛶ on IR Remote, or *[SHOOT]* on UI, MECHA will trigger the number of shots specified by *[TRG]* in presets. This can be used for extra shots for a particular position.

Pause Button

- ⏸ Pause button is the equivalent of *[Pause]* UI button.

  If MECHA is in *Pause* mode and a preset is started, MECHA will pause before every position, resulting in step by step movement.

  When MECHA runs a preset and is paused, you can press ▶, or ⏸ on IR Remote, or *[PAUSE/NEXT]* on UI, to continue to the next position.

  If, instead, ◀ is pressed on C2 or on IR Remote, MECHA will continue to the next position and switches on/off the step by step mode.

Numerical Buttons

- 1 Use it to enter the number 1. Use *[Save 1]* button in UI to save a preset and assign it to this button.

- ○ Press **1◄** to execute the button 1 preset to the left.

- ○ Press **1▶** to execute the button 1 preset to the right.

- **2** Use it to enter the number 2. Use *[Save 2]* button in UI to save a preset and assign it to this button.

  - ○ Press **2◄** to execute the button 2 preset to the left.

  - ○ Press **2▶** to execute the button 2 preset to the right.

- **3** Use it to enter the number 3. Use *[Save 3]* button in UI to save a preset and assign it to this button.

  - ○ Press **3◄** to execute the button 3 preset to the left.

  - ○ Press **3▶** to execute the button 3 preset to the right.

- **+ −** Plus and minus buttons have no special functions at the moment.

Specifications

- Use two AAA batteries for Commander. User supplied.

- 10m (33 ft) of reach. Since light is used to transmit signals, line of sight is required for outdoor, meaning an unobstructed path between Commander and Receiver.

- The IR Receiver has five infrared sensors to easily detect the infrared light from IR Commander.

- SKU: F9988.

Test the IR Remote Commander & Receiver

Do this test when you need to check if the buttons of the IR Remote Commander work.

- For this purpose, you need to deactivate the usual functions of the Commander's buttons using the 3231< code.

  ○ Enter the code pressing the following buttons on C1 Controller:
  3 **2** **3** **1** **◀**

  ○ Or select the code from page 6 of C2 Config Menu and press the ⬡ button.

- After the code is entered, MECHA will not execute the commands received from the IR Commander's buttons. Instead, it will only beep and show on C1's LEDs or on C2's display the code of the button pressed (after the button is released). The code is also shown over the battery symbol on the User Interface.

  So press each button on the Commander and check if the beep is heard and if the button code is displayed as mentioned above. The button code is not important, it just needs to be displayed. The test is successful if all the buttons pass the test.

- To end the test, press the ⏻ button on the C1 or C2 Controller used.

Useful links:

https://www.nodalninja.com/Manuals/mecha-card.pdf

MECHA Quick Reference Card

https://www.nodalninja.com/manual

Quick reference guides and complete manuals.

https://www.youtube.com/user/Fanotec

Fanotec Youtube Channel

https://www.youtube.com/user/NodalNinja

Nodal Ninja Youtube Channel

https://forum.nodalninja.com/

Nodal Ninja's Panoramic Photography Forum

https://www.fanotec.com/

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