Manuals+ — User Manuals Simplified.

HelloRadio

V14 Multi
Protocol Radio
System

HelloRadio V14 Multi Protocol Radio System User Guide

Contents

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Specifications:

- Model: Helloradio V14 Multi-protocol radio system
- Software: EdgeTX (shipped with the product)
- Charging: Built-in USB-C charging for 3.7v Lithium cells
- Compatible Batteries: 2x 3.7v Li-ion 18650 unprotected cells or 2x 3.7v Li-poly cells (2s 7.4v LiPO pack)
- Maximum Charge Capacity: 4.2v
- Antenna Separation Distance: Maintain at least 20 cm between body and antenna

Product Usage Instructions

Safety & Precautions:

- Always read the manuals and firmware downloads before operating the V14 radio system. Visit the Helloradio website for the latest software updates and manuals.
- Do not update the firmware unless you are experienced and confident. Incorrect updates may render the radio inoperable. Avoid charging incompatible battery types to prevent damage or fire hazards.

Antenna Separation Distance:

- Maintain a separation distance of at least 20 cm between your body and the antenna when operating the transmitter to meet RF exposure safety requirements.
- Regularly check battery health and condition. Do not leave the radio charging unattended, especially in wet or damaged conditions. Charge in a safe area away from combustible materials.

Power Requirements:
The V14 supports USB-C charging for 3.7v Lithium cells. Use only compatible batteries with a nominal cell voltage of 3.7v and a maximum charge capacity of 4.2v.

Model and Protocol Selection (Multi-protocol Module):
The V14 is compatible with various modules using the 4-in-1 module. Check the compatibility of protocols with your radio on the Multi-module website. Note that protocols may be updated without prior notice.

WWW.HELLORADIORC.COM

Introduction

Thank you for purchasing the Helloradio V14 Multi-protocol radio system. Helloradio is proud to bring this ground-breaking product to the market and would like to thank customers just like you and the community for making this dream possible. The version has had several improvements thanksto feedback from users like you. Please take a moment to read this quick start reference before using your new V14 radio.Helloradio Team.

Safety & Precautions.

- Many radio control models are equipped with powerful motors and sharp spinning propellers. Please exercise caution when working on models. Ensure power is disconnected from your models and remove propellers when performing maintenance.
- Do not operate the V14 radio system under the follow conditions.
    - During bad weather or high wind conditions such as rain, hail, snow, storms or electromagneticevents.

- Under limited visibility.
- In areas where people, property, powerlines, roads, vehicles or animals may be in present.
- If you are feeling tired or unwell or under the influence of drugs or alcohol.
- If the radio or model appear to be damaged or not functioning correctly.
- In areas of high 2.4GHz interference or in locations where use of 2.4GHz radios is prohibited.
- When the battery in the V14 or the model is too low to function.

Manuals and firmware downloads.

- The V14 is shipped with EdgeTX software installed as standard. To download the latest software and manual please visit **https://www.helloradiorc.com**
- Further firmware information.
- EdgeTX: **http://edgetx.org**
- OpenTX: www.opentx.org
- ExpressLRS:**https://www.expresslrs.org/2.0/**
- Multi Protocol Module:**https://www.multi-module.org/**
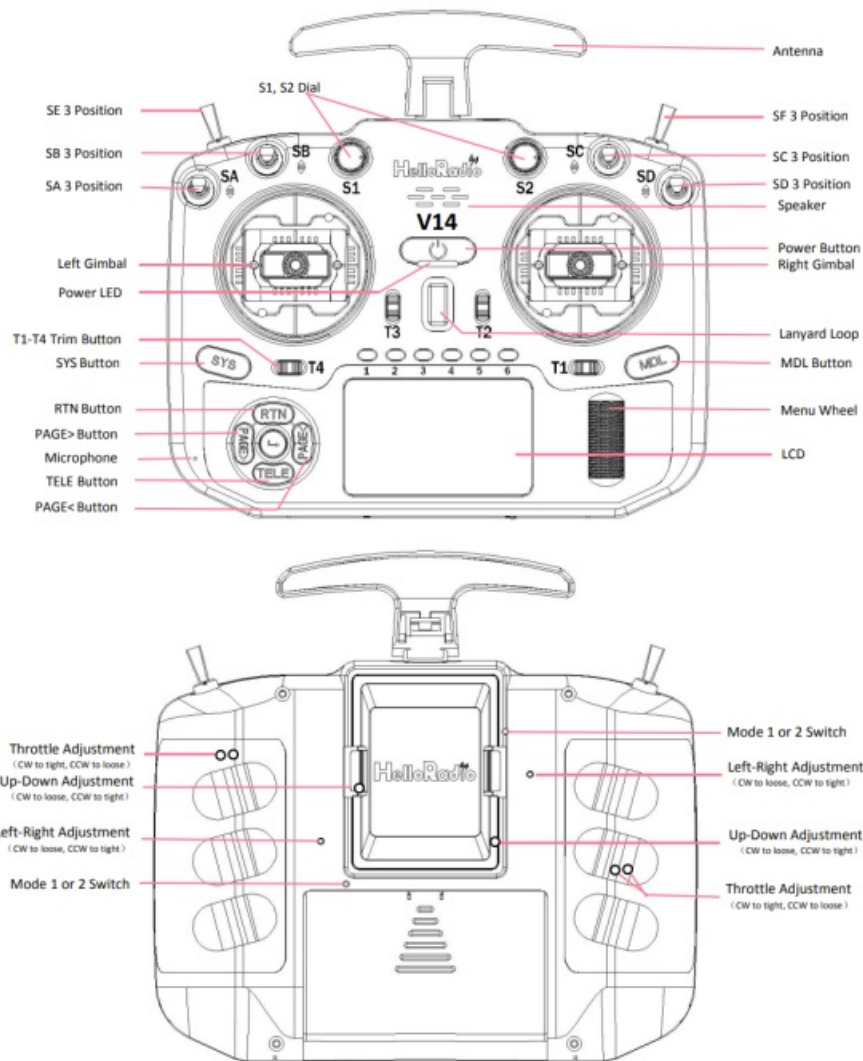
CAUTION!

- The V14 is shipped with the most stable firmware at the time of manufacture. Please onlyupdate firmware if you are experienced and confident in updating system firmware. Incorrect updates may render the radio inoperable.
- DO NOT charge 6.6v LiFE battery packs or Li-ion 18650 cells with nominal voltage of 3.6v. Incorrectly charging the wrong battery type may lead to damage of the radio orfire.

Antenna Separation Distance

- When operating your Helloradio transmitter, please be sure to maintain a separation distance of at least 20 cm between your body (excluding fingers, hands, wrists, ankles and feet) and the antenna to meet RF exposure safety requirements as determined byFCC regulations.
- Regularly check the health and condition of your batteries and never leave your radio charging unattended. Always charge in a safe area away from combustible materials and surfaces. Do not charge if your radio becomes wet or damaged in any way. Helloradio does not accept any liability for the use or misuses of this product.

Remote control overview

Antenna

S1, S2 Dial

SE 3 Position
SF 3 Position

SB 3 Position
SB
SC
SC 3 Position

SA 3 Position
SA
S1
HelloRadio
S2
SD
SD 3 Position

V14

Speaker

Left Gimbal
Power Button
Right Gimbal

Power LED

T1-T4 Trim Button
Lanyard Loop

SYS Button
SYS
T4
T3
T2
T1
MDL
MDL Button

RTN Button
RTN
Menu Wheel

PAGE> Button

Microphone
LCD

TELE Button
TELE

PAGE< Button

Throttle Adjustment
(CW to tight, CCW to loose)
Mode 1 or 2 Switch

Up-Down Adjustment
(CW to loose, CCW to tight)
HelloRadio
Left-Right Adjustment
(CW to loose, CCW to tight)

Left-Right Adjustment
(CW to loose, CCW to tight)
Up-Down Adjustment
(CW to loose, CCW to tight)

Mode 1 or 2 Switch
Throttle Adjustment
(CW to tight, CCW to loose)

Power Requirements.
The V14 has built in USB-C charging for 3.7v Lithium cells. The Charging circuit is designed for 2x 3.7v Li-ion 18650 unprotected cells or 2x 3.7v Li-poly cells (2s 7.4v LiPO pack) only with a nominal cell voltage of 3.7v and maximum charge capacity of 4.2v.

Model and protocol selection (multi-protocol module)

- A wide variety of modules is available for V14 units with the 4-in-1 module. To find out whether a certain protocol would work with your radio, please visit: https://www.multi-module.org/
- Please note that current protocols may be updated, and new protocols added, without prior notice.
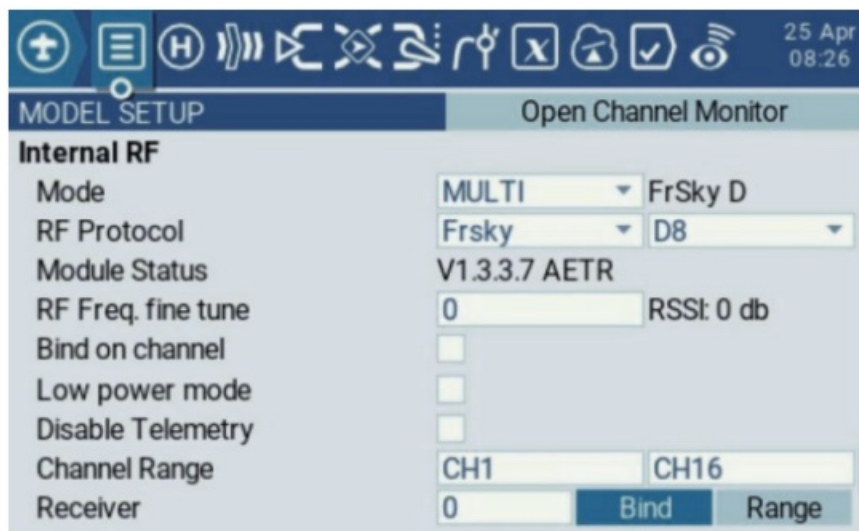
Press and hold the MDL button and scroll to the MODEL SETUP page. Under internal RF, set the Mode to MULTI and select the RF Protocol/ sub protocol as desired. Once the protocol is selected, thecorresponding RF chip will be activated.

Note:

- The Bind button starts the bind process, if a compatible receiver is in bind mode within range, it will bind to your receiver.
- Range mode cuts the RF output by a factor of 30, allowing for easy rangetesting.

Model and protocol selection (ELRS)
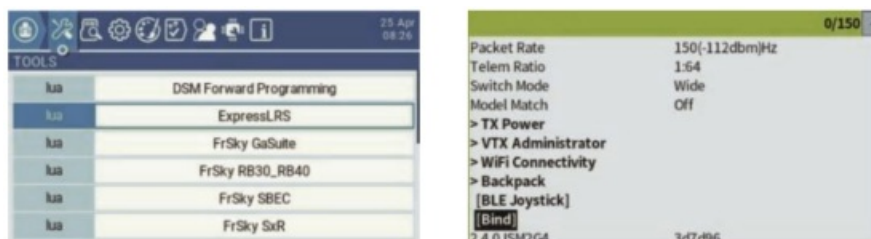
Bind method :

1. Turn off the radio.
2. Cycle power to the receiver 3 times, the receiver LED will start blinking, indicating it's in bind mode.
3. Turn on the radio, enter the ExpressLRS LUA, and selectBind.
4. The receiver LED will now stay illuminated, signaling a successful bind process.

Support.

Warranty and Repairs. Please retain your proof of purchase and contact the retailer you purchased your V14 from, should you experience any problems with your radio hardware. Warranty is valid for one year from the date of purchase.

Specifications

- Size: 181 *172*72mm

- Weight: 420g (withoutbattery)

- Transmission frequency:2.400GHz-2.480GHz

- Transmitter module: 4-in-1 multi-protocol internal module -OR- ExpressLRS internal module

- Working current: 200mA

- Working voltage: 6.6-8.4vDC

- Radio firmware: EdgeTX (Supports OpenTX also)

- Channels: Up to 16 channels (depending on the receiver)

- Display: LCD

- Gimbal: V4.0 Hall sensor with Aluminum facia -OR- AG01 CNC Hall sensor

- Module Bay: JR compatible module bay

- Upgrade method: Supports USB-C online / SD card offline upgrade

Approved for use

- 2 x 3.7v Li-ION 18650 cells (7.4v using suppliedtray)

- 2 x 3.7v Li-ION 21700 cells (Assembled as 7.4v 2s Batterypack)

- 2 x 3.7v Lithium-polymere cells (Assembled as 7.4v 2s Battery pack)

DO NOT use

- 3.6v Li-ION cells

- 2S 6.6v LiFE Battery packs

- LiFEP04 cells

- Do not use 2s 6.6v LiFE battery pack, 18650 lithium-ion cells with a nominal voltage of 3.6v or LiFEP04 18650 Round cells. Using the built in USB charger with incorrect battery types and voltage may cause damage to the remote control or fire.

- Check the health and condition of the batteries regularly. Do not use damaged cells. Never charge your device unattended. Always charge in a safe area away from flammable materials. If the remote control gets wet or damaged in any way, do not charge it.

- Helloradio is not responsible for any adverse consequences caused by using or misusing this device.

EU Simple Declaration ofConformity

- Helloradio declares the radio equipment V14 is in compliance with EU directives Directive 2014/53/EU. Full text of the declaration of conformity is available at the following website **www.radio**– **www.radio-masterrc.com**

- Manufactured by ShenZhen Helloradio Co., Ltd

FCC statement

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.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Full text of the declaration of conformity is available at the following website **www.helloradiorc.com**

CAUTION:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400GHz to 2.4835GHz frequency range.

FAQs

Q: Can I charge the V14 radio with any type of battery?
A: No, only use 2x 3.7v Li-ion 18650 unprotected cells or 2x 3.7v Li-poly cells with a nominal voltage of 3.7v and maximum charge capacity of 4.2v.

Q: How far should I maintain the separation between my body and the antenna?
A: Keep a distance of at least 20 cm between your body (excluding fingers, hands, wrists, ankles, and feet) and the antenna when using the transmitter.

Documents / Resources

HelloRadio V14 Multi Protocol Radio System [pdf] User Guide
2BHKV-V14, 2BHKVV14, v14, V14 Multi Protocol Radio System, V14, Multi Protocol Radio System, Protocol Radio System, Radio System

References

- **Welcome to EdgeTX! - EdgeTX**
- **Redirecting...**
- **Home | MULTI-Module Documentation**
- **User Manual**