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BAOFENG P15UV

BAOFENG P15UV Two-Way Radio User Manual

Model: P15UV

1. Introduction

This manual provides detailed instructions for the proper use and maintenance of your BAOFENG P15UV Two-Way Radio. The P15UV is a robust, dual-band, waterproof walkie-talkie featuring USB-C charging, a large LED screen, and multiple functions designed for reliable communication.

2. Package Contents

Upon unpacking, please verify that all items listed below are present and in good condition:

- BAOFENG P15UV Portable Radio
- High Gain Antenna
- 1500mAh Li-ion Battery
- USB-C Charging Cable
- Belt Clip
- Hand Strap
- User's Manual (this document)
- Headset

Image 2.1: The BAOFENG P15UV radio shown with its complete set of accessories, including the antenna, battery, USB-C cable, belt clip, hand strap, and headset.

3. Product Overview

Familiarize yourself with the various parts and controls of your P15UV radio:

Image 3.1: A detailed diagram illustrating the key components of the BAOFENG P15UV radio, including the antenna, indicator light, flashlight, power/volume switch, PTT button, speaker, microphone, display, keypad, and charging port.

- **Antenna:** For transmitting and receiving signals.
- **Indicator Light:** Shows radio status (e.g., charging, transmitting, receiving).
- **Flashlight:** Integrated LED light for illumination.
- **Power/Volume Switch:** Rotates to turn the radio on/off and adjust volume.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- **Speaker:** Outputs received audio.
- **Microphone (MIC):** For voice input during transmission.
- **Display:** Large LED screen showing frequency, channel, and status icons.
- **Keypad:** For entering frequencies, channel numbers, and accessing menu functions.
- **Charging Port:** USB-C port for direct charging.

4. Setup

4.1. Battery Installation

1. Ensure the radio is powered off.
2. Align the battery pack with the grooves on the back of the radio.
3. Slide the battery pack upwards until it clicks into place.
4. To remove, press the battery release latch and slide the battery downwards.

4.2. Charging the Battery

The P15UV features convenient USB-C charging.

1. Connect the provided USB-C cable to the charging port on the side of the radio.
2. Connect the other end of the USB-C cable to a compatible USB power source (e.g., power bank, PC, car charger, wall adapter).
3. The indicator light will show charging status. A full charge typically takes several hours.

Image 4.1: The BAOFENG P15UV radio being charged via its USB-C port, highlighting the convenience of this charging method.

4.3. Attaching the Antenna

1. Screw the high-gain antenna clockwise into the connector on the top of the radio until it is finger-tight. Do not overtighten.

2. Always operate the radio with the antenna properly attached to prevent damage.

Image 4.2: The BAOFENG P15UV radio with its high gain antenna attached, illustrating its design for strong signal penetration and long-distance communication.

5. Operating Instructions

5.1. Power On/Off and Volume

Rotate the Power/Volume switch clockwise to turn the radio on and increase volume. Rotate counter-clockwise to decrease volume and turn the radio off.

5.2. Channel and Frequency Mode

The P15UV supports both Channel Mode (pre-programmed channels) and Frequency Mode (VFO for direct frequency input). Use the appropriate button (often labeled 'VFO/MR' or similar, or via the MENU) to switch between these modes.

5.3. Transmitting and Receiving

1. To transmit, press and hold the PTT button. Speak clearly into the microphone.

2. Release the PTT button to stop transmitting and return to receive mode.
3. Ensure you are on the correct frequency or channel for communication.

5.4. Key Functions

Image 5.1: A visual representation of the multi-functional capabilities of the BAOFENG P15UV, including 999 channels, scan function, VOX, SOS, and power saving modes.

- **999 Channels:** The radio supports a large number of memory channels for storing frequencies and settings.
- **Scan Function:** Activates scanning of frequencies or channels to detect active transmissions.
- **VOX (Voice Operated Transmit):** Allows hands-free transmission when voice is detected, eliminating the need to press PTT. Adjust sensitivity in the menu.
- **Squelch Adjustable:** Controls the level at which the radio opens its receiver to audio. Higher squelch levels filter out weaker signals and background noise.
- **SOS Function:** Activates an emergency alarm or transmission. Refer to the menu for specific settings.
- **H/M/L Power:** Adjusts the transmit power output (High, Medium, Low) to conserve battery or extend range.
- **CTCSS/DCS:** Continuous Tone-Coded Squelch System / Digital Coded Squelch for filtering unwanted calls on a shared channel.

- **Dual Monitoring/Synchronization:** Allows monitoring of two frequencies simultaneously. The synchronization function displays both channel name and frequency information.
- **LED Flashlight:** Press the dedicated button (if available) or access via menu to activate the built-in flashlight.

Image 5.2: The BAOFENG P15UV radio with its integrated LED flashlight illuminated, demonstrating its utility in low-light conditions.

6. Specifications

Detailed technical specifications for the BAOFENG P15UV Two-Way Radio:

Feature	Specification
Brand	BAOFENG
Model Number	P15UV
Frequency Range	144-148MHz, 420-450MHz

RF Output Power	5W
Number of Channels	999
Battery Capacity	1500mAh (Li-ion)
Battery Type	Lithium Ion (included)
Charging Type	USB-C
Operation Mode	Simplex
Antenna Resistance	50ohm
Frequency Stability	± 2.5ppm
Water Resistance Level	Waterproof (IPX4 splash protection)
Display Type	LED
Item Weight	13.82 ounces (392g)
Package Dimensions	7.2 x 4.25 x 2.1 inches
Voltage	7.4 Volts (DC)
Talking Range Maximum	4.97 Miles (approx. 8 km, dependent on terrain and conditions)

Image 6.1: The BAOFENG P15UV radio demonstrating its IPX4 splash waterproof protection, suitable for use in various outdoor conditions.

7. Troubleshooting

If you encounter issues with your BAOFENG P15UV radio, refer to the following common troubleshooting steps:

- **Radio does not power on:**
  - Ensure the battery is correctly installed and fully charged.
  - Check the power/volume knob is turned sufficiently clockwise.
- **Cannot transmit or receive:**
  - Verify the antenna is securely attached.
  - Confirm you are on the correct frequency or channel.
  - Adjust the squelch level; a high squelch setting may block weak signals.
  - Check if the battery level is sufficient for transmission.
- **Poor audio quality:**

- Adjust the volume level.
- Ensure the microphone and speaker are not obstructed.
- Check for interference from other electronic devices.

- **Battery not charging:**
  - Ensure the USB-C cable is properly connected to both the radio and the power source.
  - Try a different USB-C cable or power adapter.

For persistent issues, please contact customer support.

8. Maintenance

Proper maintenance ensures the longevity and optimal performance of your radio:

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store the battery in a cool, dry place when not in use. Avoid fully discharging the battery frequently. Charge the battery regularly, even if not in use, to maintain its health.
- **Storage:** When storing the radio for extended periods, remove the battery. Store in a dry, dust-free environment away from direct sunlight and extreme temperatures.
- **Antenna:** Avoid bending or stressing the antenna, as this can affect performance and cause damage.

9. Warranty and Support

Your BAOFENG P15UV Two-Way Radio comes with a **1-year warranty**. This warranty is provided exclusively through "Shiqun Electronics Co., Ltd".
For warranty claims, technical support, or any questions regarding your product, please contact the seller directly through your purchase platform.

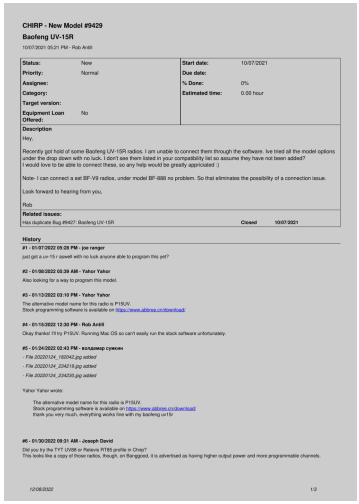
Related Documents - P15UV

	BAOFENG UV-82L FM Dual-Band Handfunkgerät Bedienungsanleitung Umfassende Bedienungsanleitung für das BAOFENG UV-82L FM Dual-Band Handfunkgerät. Enthält Sicherheitsinformationen, Funktionen, Anleitungen zur Bedienung, Batterieladung, Fehlerbehebung und technische Spezifikationen für optimale Leistung und sichere Kommunikation.
	BAOFENG UV-5R FM Dual-Band Transceiver User's Manual Comprehensive user manual for the BAOFENG UV-5R FM Dual-Band Transceiver, covering installation, operation, safety guidelines, advanced features, troubleshooting, and technical specifications for this portable two-way radio.

	Manual de Instrucciones Baofeng UV-5R Comprehensive instruction manual for the Baofeng UV-5R portable dual-band transceiver, covering features, installation of accessories and battery, charging, basic and advanced operations, menu settings, and detailed technical specifications. Optimize your radio's performance with this guide.
	BAOFENG UV-5R FM Dual-Band Transceiver User Manual Comprehensive user manual for the BAOFENG UV-5R FM Dual-Band Transceiver, covering operation, safety, features, troubleshooting, and technical specifications for wide-band communication.
	GT-3WP Dual Band FM Transceiver User Manual Comprehensive user manual for the SainSonic BAOFENG GT-3WP waterproof dual-band FM transceiver, covering operation, features, battery information, troubleshooting, and technical specifications.
	BAOFENG UV-17R Series Two Way Radio User Manual Explore the BAOFENG UV-17R Series Two Way Radio User Manual, a comprehensive guide for operating and maintaining the dual-band, dual-display, and dual-watch amateur radio. Learn about features, charging, accessory installation, basic operations, advanced functions, and troubleshooting for optimal communication performance.

Documents - BAOFENG – P15UV

Baofeng GM-15Pro Series GMRS Two Way Radio User Manual
Comprehensive user manual for the Baofeng GM-15Pro and related GMRS two-way radios, covering operation, features, battery care, safety warnings, and FCC compliance for models including P15UV, GM-30, BF-UV15, UV15IC, UV15R, G-15UV, TH-15S, and AI-15X.
lang:en score:36 filesize: 1.39 M page_count: 50 document date: 2021-11-19



CHIRP - New Model #9429
Baofeng UV-15R
10/07/2021 05:21 PM - Rob Antill

Status:	New	Start date:	10/07/2021
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Equipment Loan Offered:	No		

Description

Hey,

Recently got hold of some Baofeng UV-15R radios. I am unable to connect them through the software. Ive tried all the model options under the drop down with no luck. I don't see them listed in your compatibility list so assume they have not been added?
I would love to be able to connect these, so any help would be greatly appreciated :)

Note - I can connect a set BF-V9 radios, under model BF-888 no problem. So that eliminates the possibility of a connection issue.

Look forward to hearing from you,

Rob

Related issues:
Has duplicate Bug #9437: Baofeng UV-15R — Closed — 10/07/2021

History

#1 - 01/07/2022 05:28 PM - joe ranger
just got a uv-15 / aswell with no luck anyone able to program this yet?

#2 - 01/08/2022 05:39 AM - Yahor Yahor
Also looking for a way to program this model.

#3 - 01/13/2022 03:10 PM - Yahor Yahor
The alternative model name for this radio is P15UV.
Stock programming software is available on https://www.abbree.cn/download/

#4 - 01/15/2022 12:30 PM - Rob Antill
Okay thanks! I'll try P15UV. Running Mac OS so can't easily run the stock software unfortunately.

#5 - 01/24/2022 02:43 PM - коллекер сумеек
- File 20220124_182042.jpg added
- File 20220124_224218.jpg added
- File 20220124_224230.jpg added

Yahor Yahor wrote:

> The alternative model name for this radio is P15UV.
> Stock programming software is available on https://www.abbree.cn/download/
> thank you very much, everything works fine with my baofeng uv15r

#6 - 01/30/2022 09:31 AM - Joseph David
Did you try the TYT UV98 or Retevis RT85 profile in Chirp?
This looks like a copy of those radios, though, an Rangpood, it is advertised as having higher output power and more programmable channels.

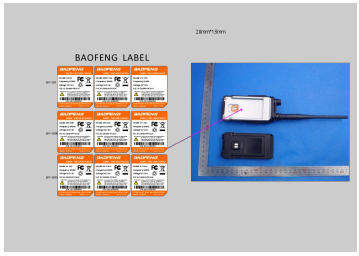
12/08/2022 1/2

[pdf]

CHIRP New Model 9429 Baofeng UV 15R chirp danplanet issues |||

CHIRP - New Model #9429 Baofeng UV-15R 10/07/2021 05:21 PM - Rob Antill Status: Priority: Assignee: ... ram this model. #3 - 01/13/2022 03:10 PM - Yahor Yahor The alternative model name for this radio is **P15UV**. Stock programming software is available on https://www.abbree.cn/download/ #4 - 01/15/2022 12...

lang:en score:30 filesize: 106.66 K page_count: 3 document date: 2022-12-08



[pdf] Guide SAR Rating Label

éfišæš¿æ€⁄ cdr Administrator Label and location PO FUNG ELECTRONIC HK INTERNATIOANL GROUP COMPANY P15UV GMRS Two way radio 2AJGM 2AJGMP15UV p15uv

BAOFENG LABEL GMRS TWO WAY RADIO UV- 13 Model:**P15UV** Frequency:GMRS Voltage:DC7.4V FCC ID:2AJGM-**P15UV** ATTENTION Device must be restricted to occupational use to satisfy FCC RF exposure compliance. Before using this device, read the RF Exposure and Safety Guide that ships with the radio. GMRS TWO...

lang:en score:30 filesize: 1.95 M page_count: 2 document date: 2021-03-31

CHIRP - New Model #9237
Radioddity GM-30
07/22/2021 04:34 PM - Dirk Bridgedale

Status:	Feedback	Start date:	07/22/2021
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Equipment Loan Offered:	No		

Description

New radio request for Radioddity GM-30
https://www.radioddity.com/products/radioddity-gm-30

History

#1 - 07/26/2021 11:27 PM - Alex Martin
Looks similar to the Baofeng UV-82 and nearly identical to Pofung P15UV (which shares a close model number with the P10UV/Radioddity GA-510).
Perhaps try connoting with Baofeng UV-82 or Radioddity P10UV to see what happens and provide debug log per instructions at
https://chirp.danplanet.com/projects/chirp/wiki/How_To_Report_Issues

#2 - 07/27/2021 12:47 PM - Jim Unroe
- Status changed from New to Feedback

Alex Martin wrote:

> Looks similar to the Baofeng UV-82

Not even close.

> and nearly identical to Pofung P15UV

This does appear to be the case

> (which shares a close model number with the P10UV/Radioddity GA-510).

I just looked at the GA-510 driver module and it doesn't appear to be close to how the GM-30 cloning is initiated. The GA-510 image doesn't seem to compare to the GM-30 memory dump I have.

> Perhaps try connoting with Baofeng UV-82 or Radioddity P10UV to see what happens and provide debug log per instructions at
> https://chirp.danplanet.com/projects/chirp/wiki/How_To_Report_Issues

Won't work. Not even close to a UV-82 binary ways. It does appear to be similar to a P15UV, but CHIRP doesn't support that model either.

I may look into it further once I get past my current project and nothing more important shows up.

Jim KC8HI

#3 - 07/27/2021 03:18 PM - Dirk Bridgedale
Is also branded by TIDRADIO TD-H5

#4 - 07/29/2021 10:35 PM - Joseph David
This radio is nearly identical to the TYT UV-88 externally, however internally there seem to be some substantial differences. I don't know if the communications protocols are similar, but the UV-88 is supported by Chirp. I believe the Pofung P15UV is essentially the same radio as the GM-30, but can't confirm as I don't have the Pofung. Other than the P15UV, there is not much similarity between the GM-30 radios and the Baofeng models.

#5 - 07/31/2021 04:59 PM - Dirk Bridgedale

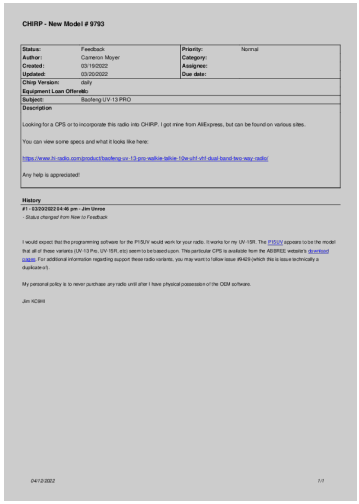
12/08/2022 1/2

[pdf] Instructions

CHIRP New Model 9237 Radioddity GM 30 chirp danplanet issues |||

CHIRP - New Model #9237 Radioddity GM-30 07/22/2021 04:34 PM - Dirk Bridgedale Status: Feedback P ... 07/26/2021 11:27 PM - Alex Martin Looks similar to the Baofeng UV-82 and nearly identical to Pofung **P15UV** which shares a close model number with the P10UV/Radioddity GA-510 . Perhaps try connoting wi...

lang:en score:23 filesize: 161.68 K page_count: 8 document date: 2022-12-08



CHIRP - New Model # 9793

Status:	Feedback	Priority:	Normal
Author:	Cameron Moyer	Category:	
Created:	03/19/2022	Assignee:	
Updated:	03/20/2022	Due date:	
Chirp Version:	daily		
Equipment Loan Offered:			
Subject:	Baofeng UV-13 PRO		

Description

Looking for a CPS or to incorporate this radio into CHIRP. I got mine from AliExpress, but can be found on various sites.

You can view some specs and what it looks like here:

https://www.hi-radio.com/product/baofeng-uv-13-pro-walkie-talkie-10w-uhf-vhf-dual-band-two-way-radio/

Any help is appreciated!

History

#1 - 03/20/2022 04:46 pm - Jim Unroe

- Status changed from New to Feedback

I would expect that the programming software for the P15UV would work for your radio. It works for my UV-15R. The P15UV appears to be the model that all of these variants (UV-13 Pro, UV-15R, etc) seem to be based upon. This particular CPS is available from the ABSREE website's download page. For additional information regarding support these radio variants, you may want to follow issue #9469 (which this is issue technically a duplicate of).

My personal policy is to never purchase any radio until after I have physical possession of the OEM software.

Jim KC9HI

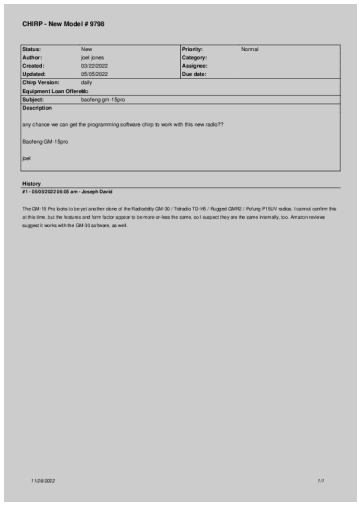
04/12/2022 1/1

[pdf] Specifications

CHIRP New Model 9793 chirp danplanet issues |||

CHIRP - New Model # 9793 Status: Feedback Author: Cameron Moyer Created: 03/19/2022 Updated: ... m Unroe - Status changed from New to Feedback I would expect that the programming software for the **P15UV** would work for your radio. It works for my UV-15R. The **P15UV** appears to be the model that all ...

lang:en score:21 filesize: 738.05 K page_count: 1 document date: 2022-04-12



CHIRP - New Model # 9798

Status:	New	Priority:	Normal
Author:	joel jones	Category:	
Created:	03/22/2022	Assignee:	
Updated:	05/05/2022	Due date:	
Chirp Version:	daily		
Equipment Loan Offered:			
Subject:	baofeng gm-15pro		

Description

any chance we can get the programming software chirp to work with this new radio??

Baofeng GM-15pro

joel

History

#1 - 05/05/2022 06:05 am - Joseph David

The GM-15 Pro looks to be yet another clone of the Radioddity GM-30 / Tidradio TD-H5 / Rugged GMR2 / Pofung P15UV radios. I cannot confirm this at this time, but the features and form factor appear to be more-or-less the same, so I suspect they are the same internally, too. Amazon reviews suggest it works with the GM-30 software, as well.

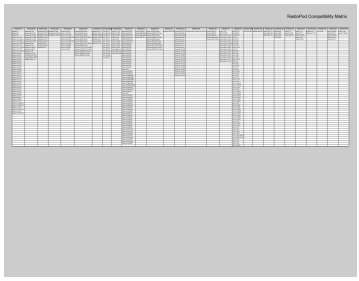
11/29/2022 1/1

[pdf]

CHIRP New Model 9798 chirp danplanet issues |||

CHIRP - New Model # 9798 Status: New Author: joel jones Created: 03/22/2022 Updated: 05/05/2 ... 5 Pro looks to be yet another clone of the Radioddity GM-30 / Tidradio TD-H5 / Rugged GMR2 / Pofung **P15UV** radios. I cannot confirm this at this time, but the features and form factor appear to be more...

lang:en score:20 filesize: 735.74 K page_count: 1 document date: 2022-11-26



RadioPod Compatibility Matrix

[pdf] Safety Datasheet

View or DownloadRadioPod Coldspring CustomsColdspring Customs RadioPod Compatibility Matrix 90424f03 ad56 4669 938a 392c5b15cc4dcdn shopify s files 1 0763 0477 7525 392c5b15cc4d v 1695685087 |||

RadioPod Compatibility Matrix RadioPod 001 RadioPod 002 RadioPod 003 RadioPod 004 RadioPod 005 ... Kenwood KMC-51 Yaesu FT-60R Icom BP-231 Yaesu SSM-17B Midland G9 Baofeng BF-UV-5RA Radioddity **P15UV** Baofeng BF-UV-5RE Wouxun KG-UV8D Motorola GP344 Holster Baofeng UV-82HP Icom BP272 Yaesu FT...

lang:de score:19 filesize: 49.2 K page_count: 1 document date: 2023-09-25