Chinese Handie Talkies An Overview

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Topics We'll Cover

- Models
- Architecture
- Quality
- Programming
- Accessories
- Where to Buy?
- More Information (Links)

Models I Own

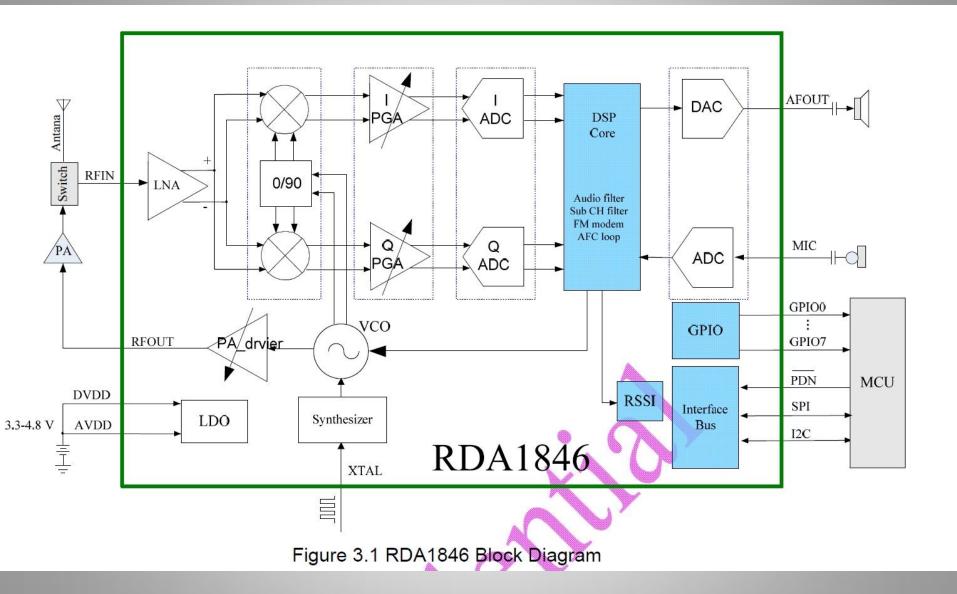
- Baofeng
 - UV-3A (\$30)
 - UV-5R and variants (\$34)
 - UV-B5 (\$35)
 - UV-82 (\$35)
- Wouxun
 - KG-UVD1P (\$120, from China)

Other Brands You Might Run Into

- NKT
- Puxing
- Quansheng
- QYT
- TYT
- Waccom
- Weierwei

Architecture

- Chinese Handie Talkies are true SDR's
- Microprocessor
- VHF/UHF radio on a chip
- FM radio on a chip
- Discrete components for PA and Input/Output Filtering





Quality

- Quality Issues
 - Wouxun
 - Loses memories, EEPROM's fail
 - Baofeng
 - LCD's on two of my Baofeng's have problems
 - Charging stand problems reported on UV-82
 - UV-5R antenna replacements are cheap
 - Harmonic suppression on UV-3R
 - Squelch and S meter

Programming

CHIRP

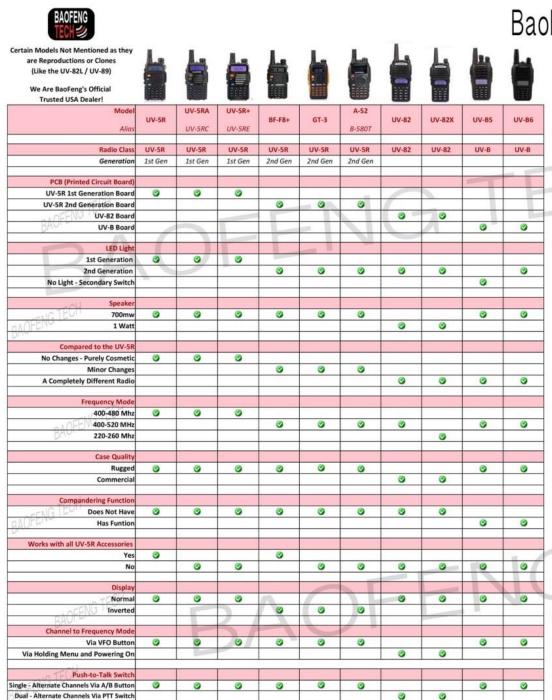
Chirp can upload and download from most HT's so it's simply a matter of making one master file with all wanted frequencies and then uploading it to each of your HT's. Chirp will convert it to the correct file type for your HT. This makes it easy for friends and club members to share their favorite frequencies.

Chirp beginners guide.

For Wouxun owners there is KG-UV Commander and KG-UV6 Commander.

Accessories

- Programming software
- Programming cable
- Extra batteries
- Better antennas
- Car adapters
- Antenna adapters





Best Overall UV-82 OR UV-82X

Picked because it is the heaviest-duty BaoFeng Picked because it has the highest quality PCB Board Picked because of the more ergonomic case and keypad Picked because of the LOUD 1 Watt speaker Picked because it's PCB causes better RX/TX than the other radios

Best UV-SR

BF-F8+

Picked because it uses the 2nd Gen PCB UV-5R Board Picked because it is compatible with ALL UV-5R accessories Picked because of the expanded frequency range

The 2nd UV-5R GEN PCB (Printed Circuit Board) has been updated with newer components including:

> Radio Frequency IC Power Amplifier IC Frequency Modulated Receiver Chip and LED Flashlight

Notes:

There are certain models not mentioned because some vendors have paid to reproduce radios and not add any differences except misleading and deceptive labels for marketing purposes

Some examples are the UV-89 and UV-82L, which have no differences except labeling when compared to the UV-82. We recommend avoiding these dishonest vendors who use gimmicks in marketing. Their policies regarding warranties and refunds - follow the same suit with disregard when it comes to the customer being first.

Recommendations

- Wouxun is the highest quality but about three times the price
- UV-B5 & B6 The best of the Baofengs
- UV-82 Dual PTT buttons, switching from memory mode to vfo mode requires turning the radio off
- UV-5R and variants Most common of the Baofengs, replace antenna for better performance
- UV-3R Small and low powered but it works, \$3.00 NP60 batteries

Where to Buy?

- <u>Amazon</u> consistently the least expensive and fastest shipping
- <u>409 Shop</u> my second favorite place to shop, ships free from China
- <u>AliExpress</u> cheapest if you want to buy in volume but some sellers are iffy
- <u>eBay</u> my least favorite place to buy, in the past they were the best place to buy but not anymore
- Local
 - <u>Main Trading Company</u> in Paris, TX
 - <u>Hamcom</u>

More Information

- Hans', PDOAC, Ham Radio Blog hamgear.wordpress.com
- Miklor <u>www.miklor.com</u>
- Brick O'Lore <u>www.brickolore.com</u>
- Comparison of Baofeng models <u>www.baofengtech.com/compare</u>
- Chirp <u>chirp.danplanet.com</u>
- Yahoo Groups several groups for different Baofeng and Wouxun radios – groups.yahoo.com

More Links

- Amazon <u>www.amazon.com</u>
- 409 Shop <u>www.409shop.com</u>
- AliExpress <u>www.aliexpress.com</u>
- Main Trading Company <u>www.mtcradio.com</u>
- Eham reviews <u>www.eham.net/reviews/</u>
- \$4.99 antenna -

http://www.ebay.com/itm/310726384346

Questions?