

My New Ailunce HD1

I don't do much with VHF/UHF, but I had an [Ailunce HD1](#) sent to me to do a review. It is a solid little handheld transceiver and I have enjoyed using it. I especially have enjoyed listening to DMR talkgroups around the world. The [Ailunce HD1](#) is a dual band FM DMR VHF/UHF analog and digital handheld transceiver. The things I like most are the build quality, the speaker and color LCD. Also, the long lasting battery.





Ailunce HD1 Specs

Frequency (dual band)	136-174 & 400-480MHz & 76-107.95MHz (Receive only)
Channels	3000
Battery Capacity	3200mAh
Contacts	100,000
Power	10w VHF, 8w UHF (3 power levels)
IP67	Waterproof and dustproof
Antenna	SMA, 50Ω
Included	1 x Ailunce HD1 two way radio 1 x Battery 1 x Antenna 1 x Adapter (110V) 1 x Charger 1 x User's manual 1 x Belt clip 1 x Sling 1x programming cable

*There is a GPS version of this radio, but it doesn't look to be very helpful and does not have APRS capability built in.

Ailunce HD1 Build Quality

This is a solid, well built handheld and has a very good feel to it. The HD1 has some weight and the speaker is loud. The speaker on this radio produces great sounding audio. I don't have any problem hearing stations in a noisy environment, such as riding in a vehicle.

The color LCD is nice and can be customized to show both bands (channels/frequencies) or one band and a clock. On the downside, the LCD gets washed out in direct sun like most other radios.

The Ailunce HD1 has a long lasting 3200mAh battery. I have not run this down since having it.

A Little Comparison to my Baofeng

It may not be fair to compare the two, but this is interesting.

The Ailunce HD1 is more expensive than the Baofeng because the HD1 is a analog and digital DMR transceiver and without question is a better built radio.

Because the HD1 is so much more money you may find this interesting: my Baofeng, with stock antenna, appears to have better reception on analog frequencies on our local VHF repeaters. I noticed inside my home that the Baofeng picks up the local analog repeater better than the Ailunce HD1 with stock antenna. I also just noticed this again outside of town during Winter Field Day. Some Hams say it is just due to the HD1 being direct conversion.

Another thing I find interesting: the [Ailunce HD1](#) probably won't work good when other Hams are transmitting close-by as in an emergency drill. The HD1 receiver becomes desensitised. This is true with other direct conversion DMR radios too. However, for normal amateur radio use the HD1 is a good choice.

I was a little disappointed Chirp and Repeaterbook can't be used to load repeater frequencies into the HD1 like with the Baofeng and other radios. I was not able to import a .csv file easily from Repeaterbook either. It required too much editing

in my opinion. It's easier to enter the settings manually in the HD1 software.

Using the HD1 I get good audio reports whether transmitting DMR through my hotspot or transmitting FM through the local repeater.

The HD1 seems easier to program from the front than the Baofeng. Also, while using the HD1, the menu can be accessed, unlike other handhelds.

A Little About DMR

This is my first experience with DMR and it was exciting to setup. The [Ailunce HD1](#) software was a little tricky at first, but I think I got it now. Code plugs are a new thing to me.

I found an inexpensive hotspot (in the US) for a good price on E-bay and when the micro SD card (TF card) went bad after only a few days, the E-bay seller reimbursed me without hesitation. I would buy from this seller again.

[Assembled MMDVM Hotspot Support P25 DMR YSF + Raspberry pi + OLED +ANT +Case US**](#)**



Conclusion

I'll have a YouTube video coming and I hope to have a demo comparing the Ailunce HD1 and my Baofeng on the local analog repeater.

I carry the [Ailunce HD1](#) with me now and my Baofeng stays at home. The Baofeng has become a backup.

Would it be worth paying the extra money? Yes, for me I am sold on DMR and it works good enough for me on the local repeaters. ☐

Thank you

Do you use DMR? What talkgroup?

I prefer the comment section here or in YouTube over e-mail because your comments and questions will undoubtedly help others here as well.

Thank you for subscribing to this website. I appreciate the comments, questions and suggestions. You can follow me on [Twitter](#), [Facebook](#), [Instagram](#) and [YouTube](#) if you have those.

Please stay in touch and best 73,

Rich, K0PIR

For Reference: