

Useful DMR (TYT MD-380) Stuff...

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Introduction



This document is my attempt to consolidate various sources of information for the **TYT Tytera MD-380** DMR UHF 1W/5W transceiver. From a recent introduction to DMR, and the TYT MD-380, by Dave M0TAZ at a September LEFARS meeting, there seems to be a lot of interest amongst the members and with a rapid uptake. With prices ranging from £105 to £150, the TYT MD-380 is a cheap introduction to TDMA digital technology previously requiring more expensive radios from Motorola or Hytera. Analogue FM is also included.

In addition to the online resources I have used one of my Dropbox folders as a shared resource for LEFARS members.

Note that the TYT MD-380 model is also available under several brand names. One UK eBay supplier sells it as the **Retevis RT3**.

LEFARS specific TYT MD-380 support

To help other LEFARS club members, I have shared a DropBox folder for TYT MD-380 files including code plugs, programming software and also a firmware update. These have been kindly uploaded by Keith G1HEQ.

Further supporting documentation is being added. The DropBox folder (read only) [is here](#). Please contact me if you want write access.

Further TYT MD-380 support online

Facebook User Group

<https://www.facebook.com/groups/992967007380548/>

Yahoo! Group

<https://groups.yahoo.com/neo/groups/TYT-TYTERA/info>

Where to register your DMR ID

PDF Copy of OFCOM licence needed for uploading as part of the DMR ID registration process.

<http://register.ham-digital.net/>

Useful tech stuff

http://www.trbo.org/docs/Amateur_Radio_Guide_to_DMR.pdf

TYT MD-380 reviews (online)

Dave M0TAZ review, from his website. A good introduction to DMR radio basics.

<http://m0taz.co.uk/2015/09/dmr-radio-tyt-md-380-first-impressions/>

Essex Ham review . Lots of interesting detail for would-be purchasers!!

<http://www.essexham.co.uk/news/tytera-tyt-md-380-dmr-handheld-review.html>

Canadian review from VA3XPR. Lots of close ups.

<http://www.va3xpr.net/tyt-md-380-dmr-portable-radio-review/>

UK Supplier?? of DMR stuff – Tytera.co.uk

Tytera MD-380 and accessories. UK phone numbers on page. £145. + programming cable £150. Free P&P

<http://www.tytera.co.uk/>

UK Supplier of DMR stuff – Taylor Made RF

Mostly Hytera. Some Motorola and Tytera MD-380 (see below).

<http://www.tmrf.co.uk/product-category/digitalradio/>

Also Tytera MD-380 at £149.99 (reduced from £199- *seen at 20-Oct-2015*). Comes pre-programmed with TMRF code plug (all UK digital UHF DMR repeaters and UK analogue repeaters.

<http://www.tmrf.co.uk/product/tytera-dm-380/>

Ebay suppliers – TYT MD-380/Retevis RT3 and accessories

Mostly China sellers. Beware of customs duty above £18 UK equiv.

<http://www.essexham.co.uk/redirect.php?id=ebaytyt380>

Search also on Ebay for **Retevis RT3**. UK based supplier.

http://www.ebay.co.uk/sch/i.html?_from=R40&_sacat=0&_nkw=Retevis+RT3&_pgn=2&_skc=50&rt=nc


Programming Software

Tytera MD-380 CPS programming software download.

<http://www.gb7dd.co.uk/download/1116/>

Who is on DMR?

Activity levels are monitored live on DMR repeaters. As an example, see who is on GB7AK (Barking).

Date/Time (UTC)	Source ID	Callsign	Name	Slot	Destination	Via Repeater	Repeater QTH	S-Meter	RSSI	Loss	Type	Duration
20.10.2015 16:55:07	2352179	M6EUI	Damien	2	8	GB7AK	Barking		-116	0.0%	Group	4
20.10.2015 16:54:21	2352179	M6EUI	Damien	2	8	GB7AK	Barking		-117	0.0%	Group	29
20.10.2015 16:53:50	2352179	M6EUI	Damien	2	8	GB7AK	Barking		-116	0.0%	Group	5

Clicking on the Repeater QTH (e.g. Barking above) gives you more stats.

<http://www.cc-3.net/monitor.php>

UK DMR repeater list

The latest RSGB UK DMR digital repeater list. Filters can be applied (locator and distance in km or miles).

<http://www.ukrepeater.net/list4dmr.php>

For more information on a repeater, click the callsign. e.g. for Barking GB7AK.

http://www.ukrepeater.net/my_repeater.php?id=2670

Repeater Summary Details for GB7AK

Keeper/NoV holder: VINCENT MADDEX [G8YPK]

Band: 70CM ([DVU42](#)) **Output frequency:** 439.5250MHz **RX Frequency:** 430.5250MHz

Mode: DMR DIGITAL VOICE REPEATER **DMR Colour Code:** 3

ETCC Region: [South-East](#)

Location/Whereabouts: BARKING

etc.... (map included)

DV4mini USB Dongle.

The DV4mini USB dongle can be used as a DMR gateway. Also D-Star and (soon). Yaesu Fusion. It's a 10mW 70cm digital radio in a USB dongle. Software works on a PC and also Raspberry Pi. Alan Mears, M0TEC in Harlow is using his Raspberry Pi2+ and a DV4mini dongle as a DMR gateway. More info on the DV4mini USB dongle from...

German supplier. €99+VAT. http://www.helitron.de/shop/product_info.php?language=en&products_id=81

The same thing? – UK supplier (Taylor Made RF) £99.95

<http://www.tmrf.co.uk/product/dv-4-mini/>

Credits

Thanks to Dave M0TAZ for a lot of the links and whetting my appetite to try out DMR. It is going to be a steep learning curve to understand all of the nuances. Also, thanks to Keith G1HEQ for maintaining the local (LEFARS) code plug data and making it available along with recent firmware updates and programming software on my DMR DropBox folder.

73

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