

# Scanning DMR VFO Frequencies

## Tier I = Simplex

Set up your VFO channel as normal with the TX and RX Frequencies the same.  
Set VFO channel to Simplex

## Tier II = Repeaters

To get Tier II we have to setup the VFO Frequencies with a split.

RX 4xx.xxxx – TX 45x.xxx

This now tells the radio it is decoding Tier II

Set VFO Channel to Repeater

*5 Meg Split is handy to work with. It could be 1, 2, 3 etc Meg apart as your not going to TX.  
As long as the RX and TX Frequencies is different*

*You will find the VFO channels at the very bottom off the channels in the CPS. Scroll down.*

VFO A	400.00000	405.00000	A+D TX A	LOW	12.5K	Off	Off	Channel VFO A	9
VFO B	145.50000	145.50000	A+D TX A	LOW	12.5K	Off	Off	Channel VFO B	9

## You will see my

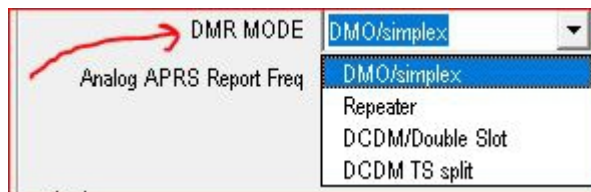
VFO A = Tier II for Repeaters

VFO B = Tier I for Simplex

Ignore that one is UHF and the other is VHF.

You just go to the VFO you require and type in a Frequency VHF or UHF and hit scan.

Set the Correct DMR Mode for each channel as well as the 2 VFO Channels.



## Scan Type: Select

TO – 5 sec stop

CO – 2 sec stop

SE – stops scan

## I would also turn on Digi Moni

DigiMoni Switch = Double Slot

DigiMoni Cc = Any Cc

DigiMoni Id = Any Id

Slot Hold = You can have OFF or On, depending on your needs.

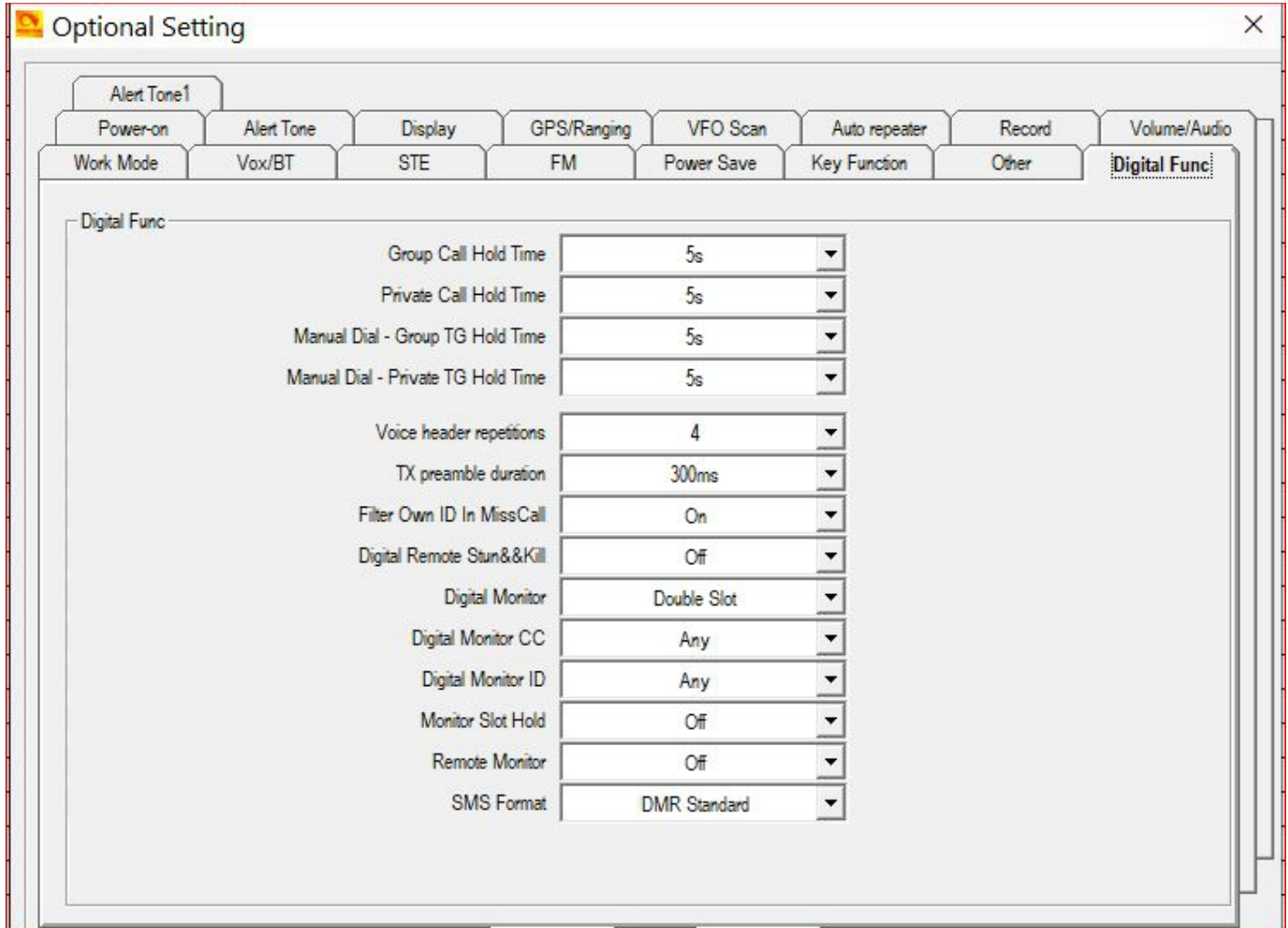
## Frequency Step

CPS – Optional Setting – Other

Set to 12.5K

## You should also set the Hold times low.

To match the Scan Type: Select above.



## IF you want to make as a channel

### Tier I = Simplex

Set up your channel as normal with the TX and RX Frequencies the same.

Set Channel to Simplex

### Tier II = Repeaters

To get Tier II we have to setup the channels with a split.

RX 4xx.xxxx – TX 45x.xxx

This now tells the radio it is decoding Tier II

Set channel to Repeater

*5 Meg Split is handy to work with. It could be 1, 2, 3 etc Meg apart as your not going to TX.*  
As long as the RX and TX Frequencies is different and set to Repeater

### Function Keys

**VFO Scan** = Scans within the band VHF or UHF only (Set in VFO Scan)

**Scan** = Scans both bands VHF and UHF one after the other (Set in VFO Scan)

VFO Scan	
VFO Scan Type	TO
VFO Scan Start Freq(UHF)	400.00000
VFO Scan End Freq(UHF)	480.00000
VFO Scan Start Freq(VHF)	136.00000
VFO Scan End Freq(VHF)	174.00000

### Added to newer Firmware

Press Menu key on radio to stay at the vfo/channel with signal permanently when it finds a signal during scanning.

Also have a look at the documents for [Scanning](#) and [DataACK Disable](#)

<http://tiny.cc/AnytoneDMR>