Setting up your new DMR handie …

You probably already have FM sorted out, so we won't dwell on that.

For digital you have several different things to worry about, as well as new concepts such as colour codes, slots and talkgroups. So, as an example, let's look at getting you setup with GB7WD the Salop Cluster. It's exactly the same for GB7GT, HC, BJ, DY, BX, and KS, just change the TX and RX frequencies.

First of all, you will need to setup two channels. They will have the same TX freq, RX freq & colour code; we'll call them "**WD Cluster**" and "**WD Slot 2 Local**".

TX = 430.7125
RX = 439.7125
Colour code = 11 (that's the digital equivalent of CTCSS)

Now the hard bit:

You'll need to setup two new Digital Contacts (might be Contacts, then Digital). These are the talkgroups.

(1) A "Group Call" called DMR-Local with a value of 9
(2) A "Group Call" called DMR-Cluster with a value of 75

You'll then need to setup two Digital Group Call Lists (might be Group Lists, then Digital)

(1) A "Group Call List" called Local which has DMR-Local in the list
(2) A "Group Call List" called Cluster which has DMR-Cluster in the list

Now to finish off the two channels:

"**WD Cluster**"
TX = 430.7125
RX = 439.7125
Colour Code = 11
Slot = 1
Contact name = DMR-Cluster
Group list = Cluster

"**WD Slot 2 Local**"
TX = 430.7125
RX = 439.7125
Colour Code = 11
Slot = 2
Contact name = DMR-Local
Group list = Local
Timeout = 180 seconds

You'll also need to setup the "Admit Criteria" for each channel. It should be something like "Follow Colour Code" or "Colour Code Free", but if all else fails use "Always" but this isn't recommended on repeaters.

If you get it wrong you'll find you can't transmit until the repeater drops out.

To setup other channels to use other talkgroups, follow the same procedure as above but in stead of talkgroup 9 or 75, replace the it with the one you want, e.g. for UK-wide and World-wide:

A "Group Call" called DMR-UK with a value of 235
A "Group Call" called DMR-WW with a value of 91

A "Group Call List" called UK-wide which has DMR-UK in the list
A "Group Call List" called World-wide which has DMR-WW in the list

And setup two channels like this:

"**WD UK**"
TX = 430.7125
RX = 439.7125
Colour Code = 11
Slot = 2
Contact name = DMR-UK
Group list = UK-wide

"**WD WW**"
TX = 430.7125
RX = 439.7125
Colour Code = 11
Slot = 2
Contact name = DMR-WW
Group list = World-wide
Timeout = 180 seconds

** Please only use Slot 2 for Brandmeister traffic – keep Slot 1 / Talkgroup 75 for use on Slot 1 ONLY **

While you are at it, programme a few Simplex channels too:

DH1 438.5875
DH2 438.6000
DH3 438.6125 (calling channel)
DH4 438.6250
DH5 438.6375
DH6 438.6500

Simplex channels are usually setup as:

Slot = 1
Contact name = DMR-Local
Group list = Local
Admit Criteria = Always

See how you get on with that!

https://salop-repeater.weebly.com/