Hand Program HD1

FM:

Step 1 - We must make sure radio is in frequency mode, when writing frequency.(short press EXIT to switch between frequency mode and channel mode)

Long press EXIT key to switch between DMR and FM. FM means frequency mode. DMR means digital mode.

Step 2 - Hand writing the frequency you want to communicate, such as 136.2375

Step 3 - BandA Set, or BandB Set, based on the frequency you are programming is in BandA or Band B line.

Step 4 - Step/Power/Vox/VOX level/W/N/TOT/setting

Step 5 - Set CTCSS/DCS

Remark:

C-CDC means transmiting CTCSS/DCS is same as receiving

CTCSS/DCS R-CDC receiving CTCSS/DCS

T-CDC transmitting CTCSS/DCS

Step 6 - Shift UP

A.OFF means no shift transmitting frequency=receiving frequency

B.Plus means: transmitting frequeny figure is bigger than receiving frequency

C.Minus means: transmitting frequeny figure is smaller than receiving frequency

D.Shift frequency: transmitting frequency-receiving frequency

Step 7 - Main Set–> Save channel–>Save CH.Name. To save channel no. and channel name.

Digital:

Programming by hand, we must make sure radio is in frequency mode.

Short press EXIT key to switch between frequency and channel mode.

First we need add priority contacts inside radio.

Menu–>Contacts–>Hand write the contacts info. Like

ID,Type(private call/group call/all call),Name,City,Province,Country.

Step 1 - Long press EXIT key to switch between DMR and FM. FM means analog mode, DMR means digital mode.

Step 2 - Hand write the frequency you want to communicate, such as 136.2375

Step 3 - BandA Set, or BandB Set, based on the frequency you are programming is in BandA or Band B

Step 4 - Step/Power/Vox/VOX level/W/N/TOT/setting

Step 5 - Choose Color code

Step 6 - Shift UP

A.OFF means no shift transmitting frequency=receiving frequency

B.Plus means: transmitting frequeny figure is bigger than receiving frequency

C.Mimus means: transmitting frequeny figure is smaller than receiving frequency

D.Shift frequency: transmitting frequency- receiving frequency

Step 7 - Encrypt Type—>Normal or Enhanced or OFF(no encryption)

Step 8 - Encrypt No.: choose from 1 to 16( the password for each group is presetted in software)

Step 9 - Dmr mode:

A.Direct–direct communication between radio( not via repeater)

B. Repeater–communicate via repeater

C. Double Slot–DCDM

D. DMR slot–choose time slot 1 or 2.

Step 10 - Contacts–choose private call or group call contacts in this programming channel

Step 11 - Main Set Save channel–>Save CH.Name. To save channel name and channel no.