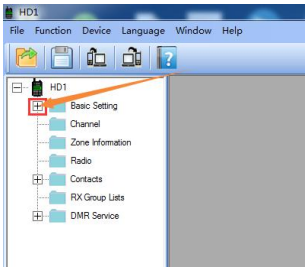
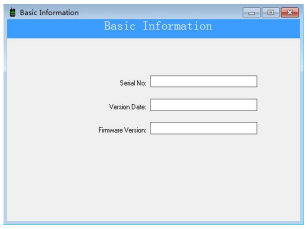
HD1 CPS Brief Introduction

1.Open the HD1 CPS

2.Click on the “+” in front of Basic Setting.

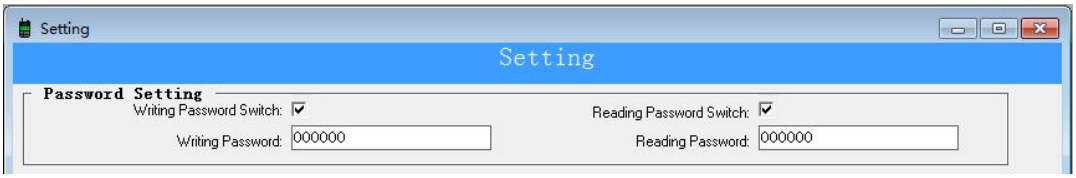


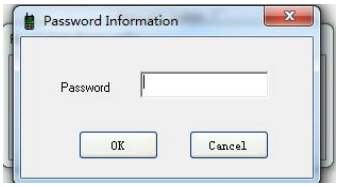
3.Basic Information. Serial No. is S/N number of the radio. Version Date and Firmware Version. All the information can be read from the radio.



4.Setting

Password Setting, when ticked them, and write to the radio. Next time when programming the radio via CPS, you need to write the right password.



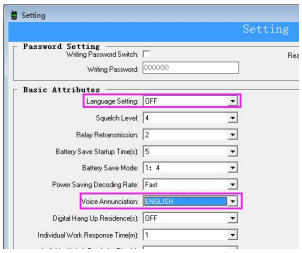


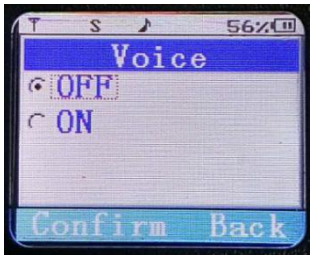
Basic Attributes.

1)Language Setting.

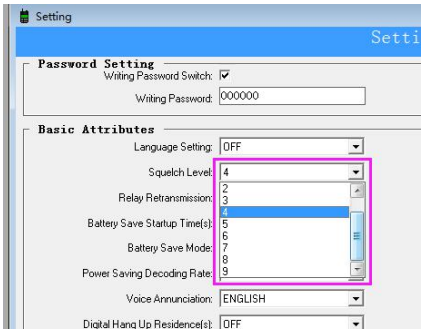
OFF: Radio Voice default OFF. There will be no voice broadcast when operate the HD1.

ON: Radio Voice default ON. There will be voice broadcast when operate the HD1. You can set the voice broadcast language,Chinese or English.

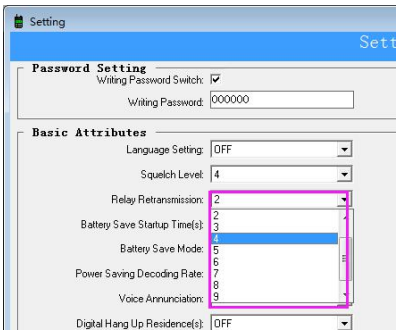




2)Squelch Level: 0-9 levels. To assure receiving completely,select squelch at a low level under week signal. But the lower the level, the stronger the received invalid interference.



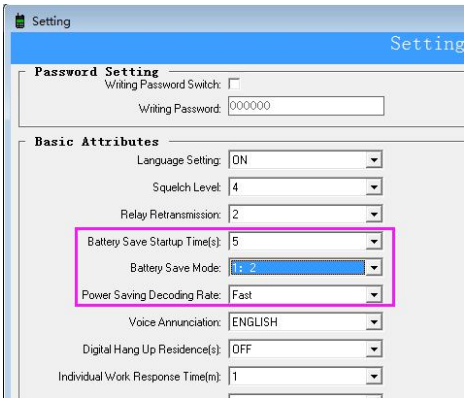
3)Relay Retransmission: Repeater automatic connect times. The number indicates the times radio automatic transmitting when not connect repeater successful after press PTT.



4)Battery Save Start up time(s): The time Radio from normal mode to battery save mode.

Battery Save Mode: Battery saving rate, the highest rate is 1:4. The higher you select, the more power saved. at the same time, the receiving will be a little delay, but normally we don't feel the delay.

Power Saving Decoding Rate: The speed of Radio decoding the receiving signal in battery save mode.



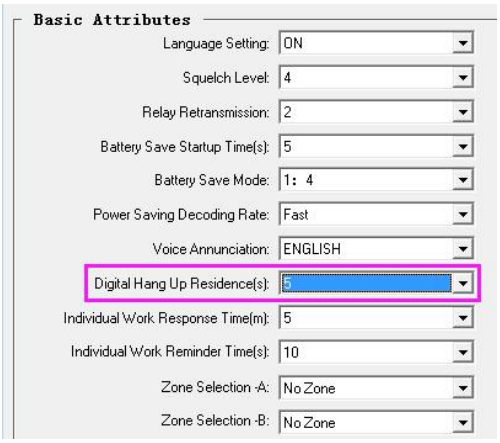
5)Digital Hang Up Residence. Within the setting time, it can transmit as received contacts.

Set required Talk Groups up in the CPS RX list.

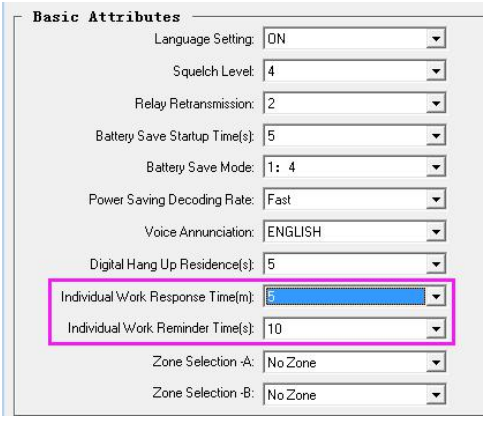
Set radio Hang up time (example 2s)

If the Talk Group is in the receive list,your radio will decode the signal.

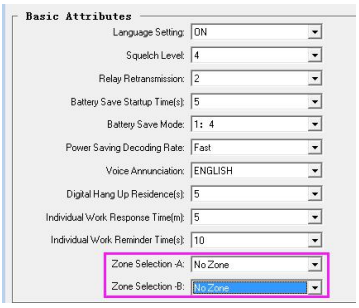
When you turn on Hang up in your HD1, within the setting time (2s),your radio can transmit back on the received Talk Group directly. If you miss the 2s window the radio will TX back on the default channel selected on your radio.



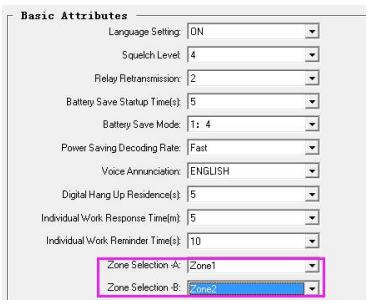
6)Individual Work: Lone worker



7)Zone Selection

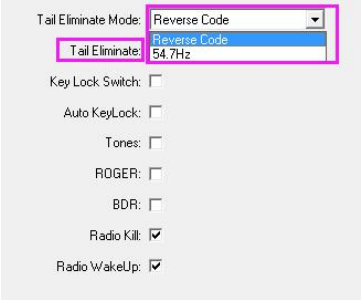








8)Tail Eliminate Mode: Two options. The default option is Reverse Code. Basically all of the tail sounds can be eliminated by Reverse Code. Very few radios may be needed to use 54.7Hz. 54.7Hz is just one more option, it's rarely used.



9)Key Lock Switch: Ticked and write it to the radio, when turn on the radio, the radio keypad is locked. You can long press “#” to unlock the keypad.



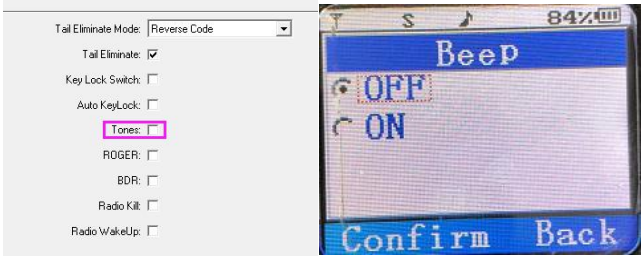
10)Auto Keylock: Ticked it, radio default is Auto.

Auto, Radio keypad will be locked automatically if without any operation for about 15s.

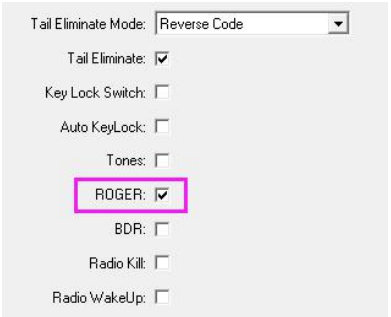
Manual, Long press # to lock and unlock the keypad.



11)Tone, prompt voice switch.



12)Roger, transmit ends prompt voice switch



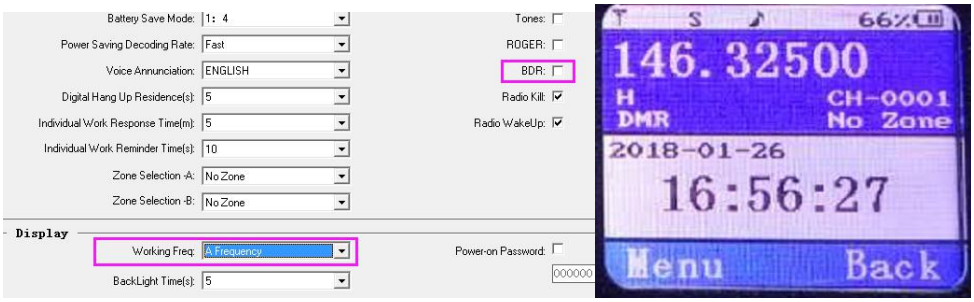
13)BDR, Dual standby.



14) No BDR,

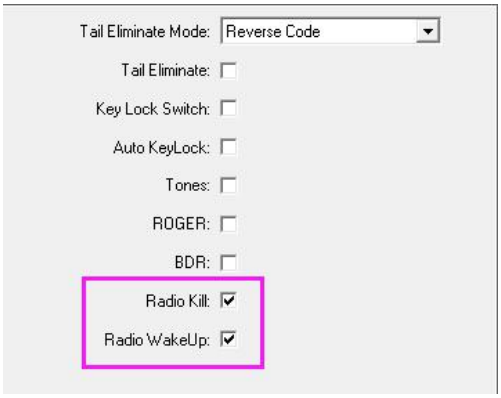
A frequency: Channel(up) + Date(below)

B frequency: Date(up) + Channel(below)



15) Radio kill, indicate your radio accept other radio remote kill. If you don't tick them, your radio will never be remote kill.

16) Wake up function, if you ticked, indicate your radio accept other radio remote wake up.

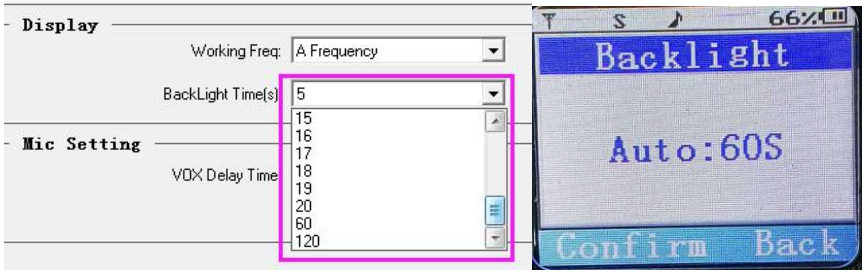


17)Power-on Password.





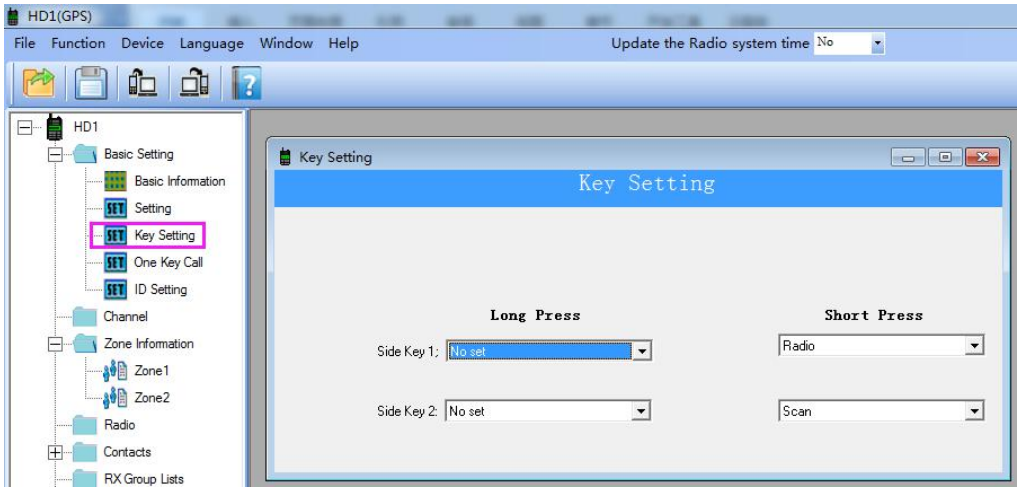
18)Backlight Time, You can set it according to your own habits. You also can change the setting via radio keypad,up and down key.



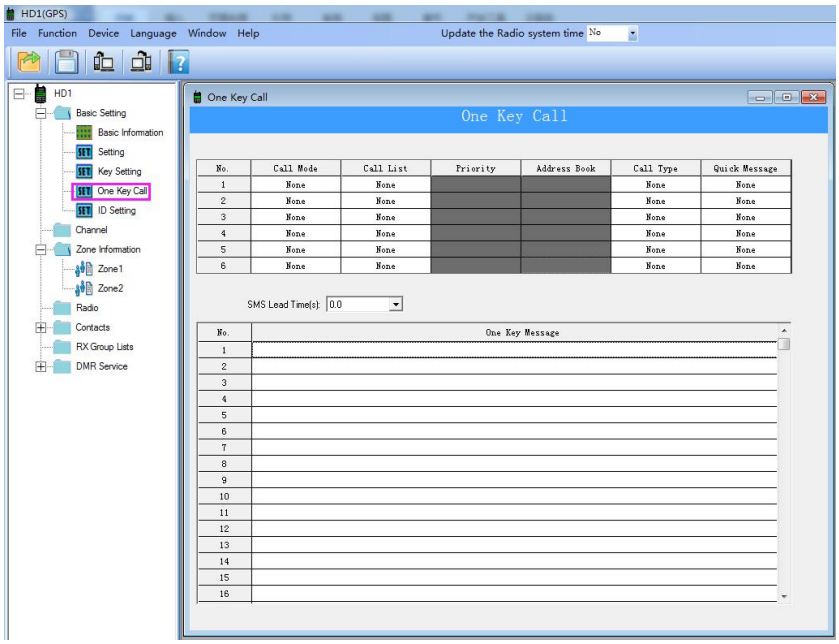
19)Mic Setting. Mainly VOX function setting.



5.key setting. Set two side keys' function. Long press and short press. You also can setting them via radio keypad.Menu-Main Set-Key Define. Up and down key to switch function.* key to switch side key 1 and side key 2 and long press and short press.



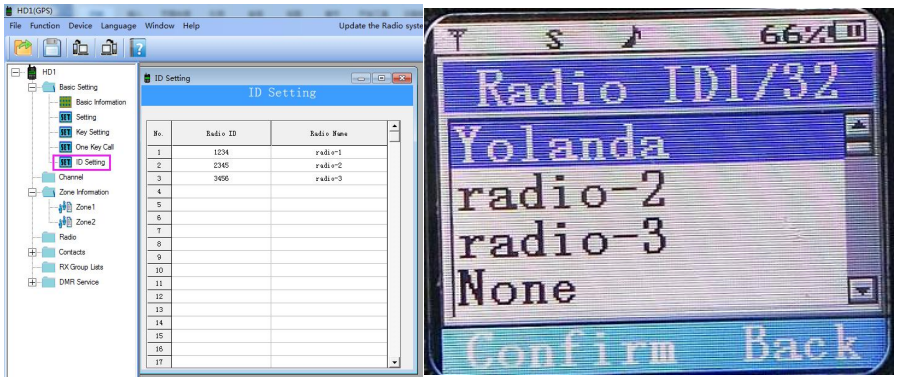
6.One key call



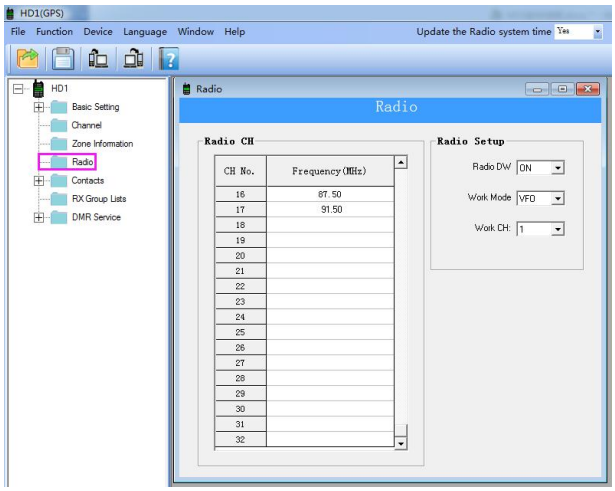
7.ID Setting

32 ID. When you setting the channels you can select the ID you want to use based on the actual situation. You also can add, delete, edit the ID number and ID name via radio keypad.

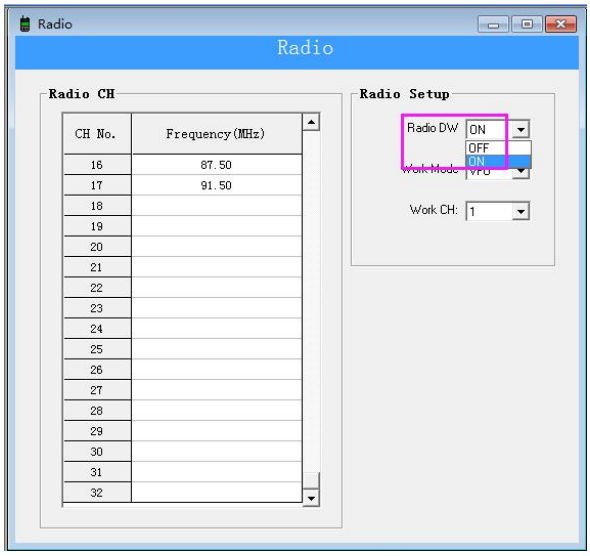
Menu-Radio ID.



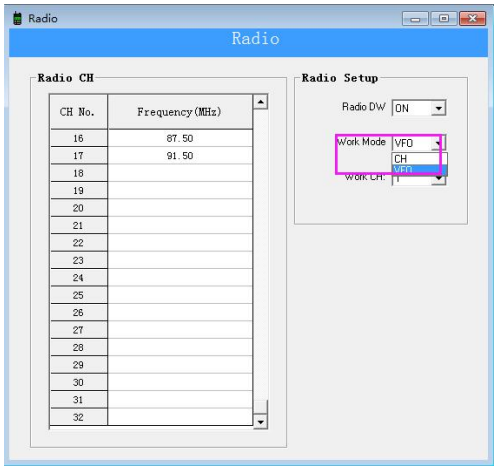
8.Radio, it is radio broadcast. 76-107.95MHz(Receive only). 32 memory channels. You can write every channel frequency directly.



Radio DW, “ON” indicates that listening to FM radio while receiving signals, “OFF” indicates that listening to FM while stop receiving signals. Most times we may choose “ON”, because we don’t want to miss any voice signals from the other side of the radio. What we do is just give you more choices. You can short press to switch the “ON” and “OFF” by short press “#” key.



Work mode, VFO is frequency mode, CH is channel mode. You can edit them on radio keypad. In VFO mode, if you find a good frequency and want to save it as a memory channel, just long press ”Scan” key. Short press “Scan” key to turn on the scan function. You can switch VFO and CH mode by long press “EXIT” key. Up and down key to switch different frequencies or different channels.



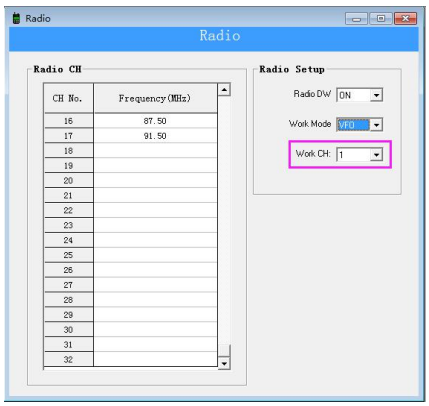
VFO



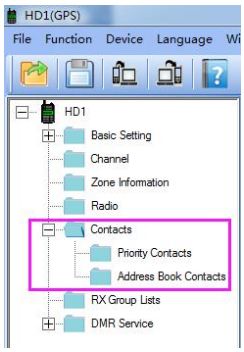
CH



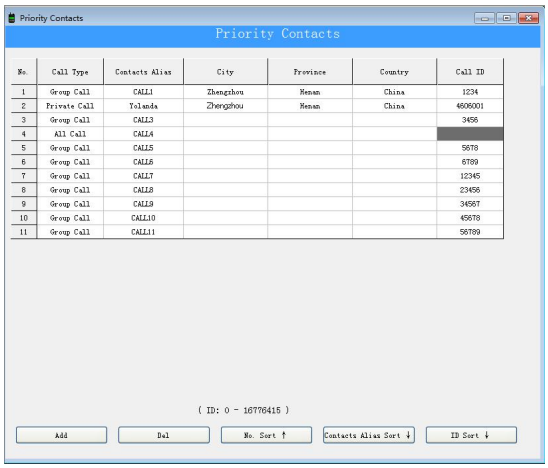
Work CH, it only indicates the default channel when you turn on the radio in Channel mode.



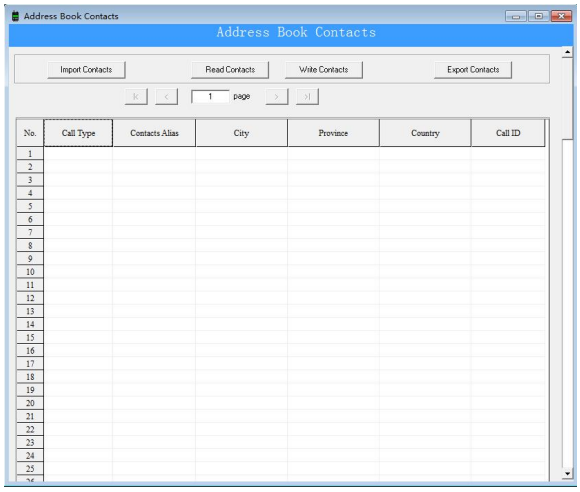
9.Contacts, HD1 contacts consists of two parts, Priority Contacts and Address Book



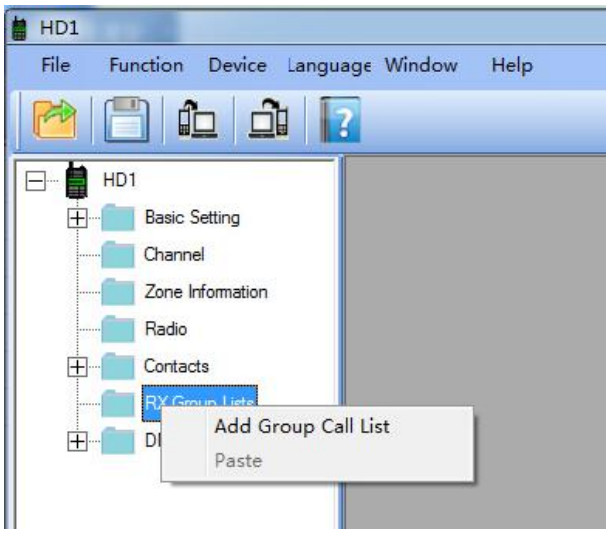
Priority Contacts can save 1000 contacts, you can edit on the CPS. Right mouse button you can copy, cut and pasted. You also can add new contacts and edit the contacts via radio keypad.edit the contact name, id, city,province and country. Allow to sort by ID and Contacts Alias.



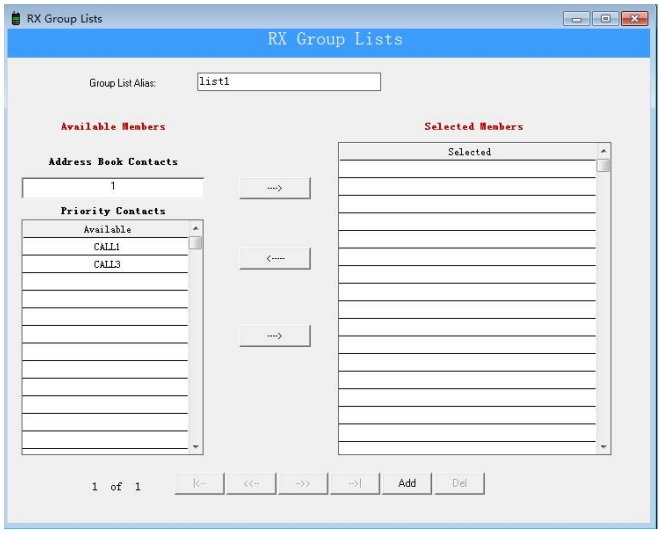
Address Book Contacts can save 100000 contacts, allows import and export by .csv file.
Click the Import Contacts first, after you have import the contact data to the CPS, you can click the Write Contacts and write the contacts to the radio.
If you want to read the contacts from the radio, you can click the Read Contacts. If you need to export the contacts, you can click the Export Contacts. Note, the priority contacts can edit via radio keypad, the address book contacts can not edit via radio keypad.
http://www.amateurradio.digital/wizard.php?radio=hd1



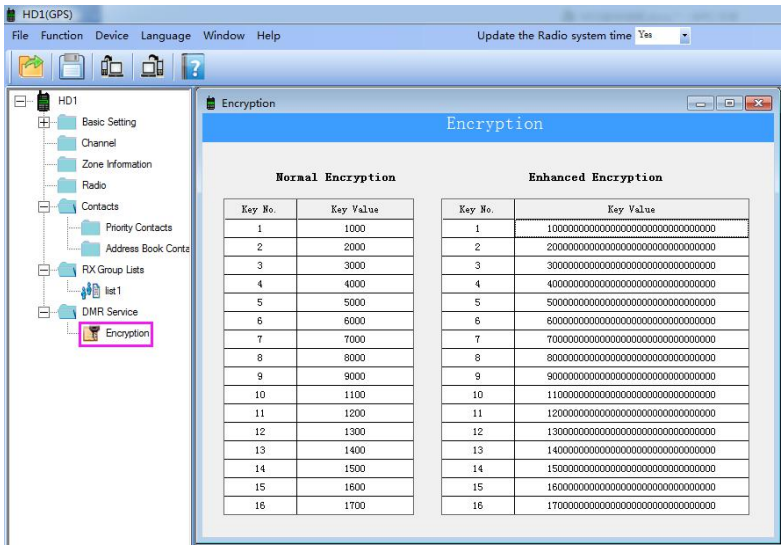
10.RX Group List,The first time when you open the CPS, Clicking the right mouse button to add a first RX Group List.



You can edit the RX Group Lists.

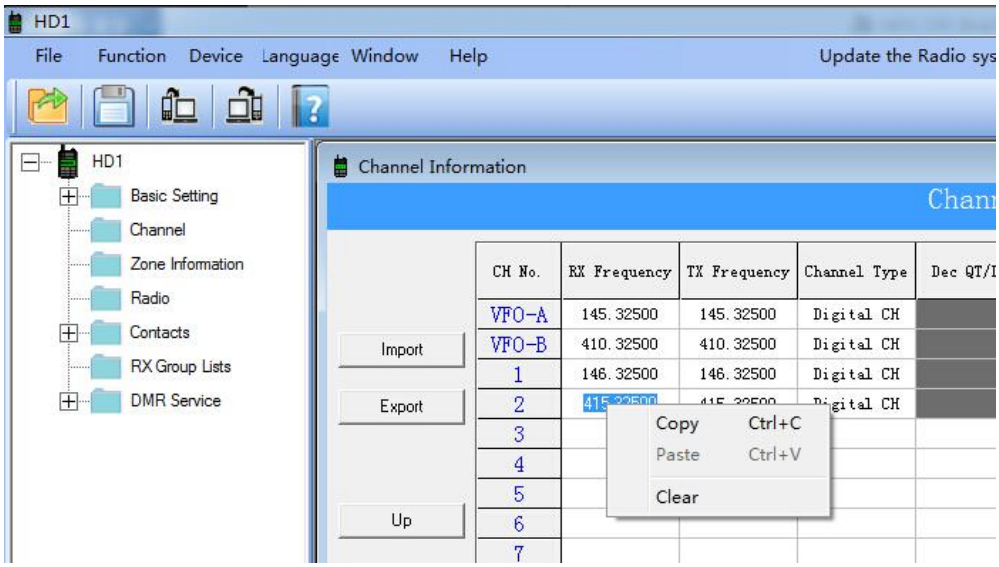


11.Encryption, It consists of two parts, Normal(4 bits) and Enhanced(32 bits). Some Country don't allow to use it. So Please strictly abide by local laws.



12. Channel. VFO mode and channel mode. On the home page, you can click the right mouse button, It allows you copy, paste and delete.

The channel information can import and export. Insert and rank.



Click “>>”,enter into the channel setting.

Channel Type - Analog and Digital

TX Power - three levels, high10/8w, Middle 3.5w, Low 1w.

Scan Add - HD1 has there scan method, time,carrier and search. HD1 can scan as step in VFO mode also can scan as channel mode in zone, if you want to scan the channel ,just ticked the Scan Add.

Work Mode - Simplex, Repeater, Double Slot means DCDM, it makes time slot work in simplex mode.it support two conversations on the same channel in simple mode.

Promiscuous - It allows the radio to pick up activity on any active talk group as long as you have the frequency and colour code in the channel.

RX Group List,you can choose the list you have saved, or you can choose Custom. They have same function. When you choose the custom, you need to edit the RX Group List in the channel below. In fact the Custom use less when you programming the radio on CPS. It is very useful when you programming the radio via radio keypad.

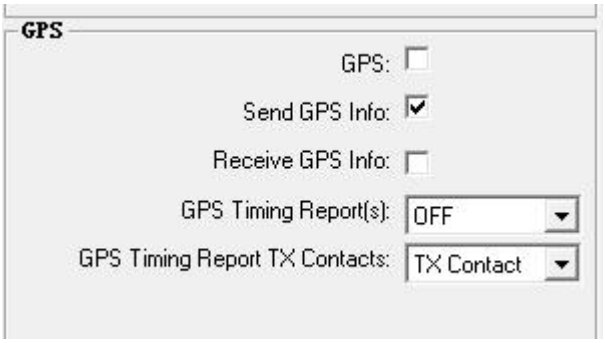
GPS

GPS: open the GPS function.

Send GPS info: Send the GPS to another radio after you press the PTT.

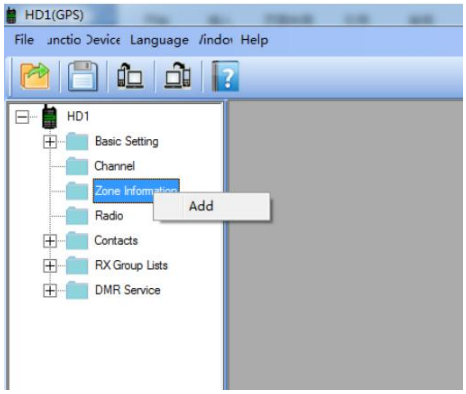
Receive GPS info: your radio allows receive the other radio’s GPS information.

GPS timing report: How long you radio send GPS info to another radio.

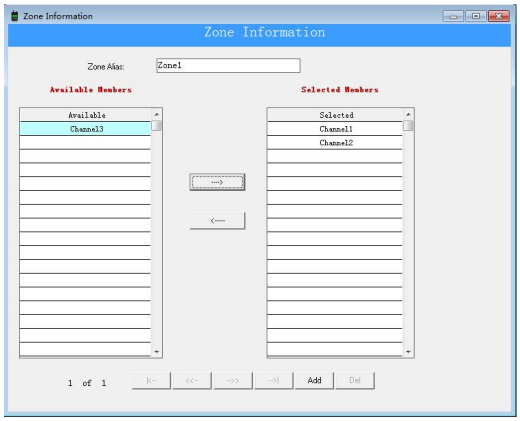


13.Zone

The first time when you open the CPS, Clicking the right mouse button to add a zone.



Edit the zone



14.Change power on logo.

Size:160*128

Bit depth:24

Form:BMP

