

SDS100/200 FILE SPECIFICATION

MODEL : SDS100/200
VERSION No. : 1.08
ISSUED DATE : 2025/10/16
CATEGORY : SCN

Uniden[®] Holdings Corporation

APRVD	CHECKED (S)	ISSUED



Internal Use Only

■ Revision

Ver	Data	Description
0.01		draft
1.02		appended "Site NAC Operation" in GlobalSetting.
1.03	2019/1/18	Append Global Auto Filter and Filter
1.04	2019/1/21	Append "Off" to Global Auto Filter and Filter
1.05	2019/3/5	Append "Audio Off Time" in GlobalSetting.
		Append "Filter" in Large area option of Display customize.
1.07	2023/11/30	Supported Waterfall
1.08	2025/10/16	Append Headphone L/R output in Global Settings

microSD directory image

```
\ root
+ \ BCDx36HP
|
| scanner.inf    Scanner Information (Ex.ESN,ModelName...)
|
| profile.cfg    Profile(owner's info,wx,location,...) and Limit Search
|
| discvery.cfg   Conventional and Trunking Discovery
|
| app_data.cfg   Scanner settings data which scanner reads when scanner resumes last mode.
|                PC application must delete this file, when it writes program data to scanner.
+ \ audio
|
| + \ inner_rec
|   | YYYY-MM-DD_hh-mm-ss.wav
|   |
|   + \ user_rec
|     | \XXXXXXXXX hexadecimal time stamp name
|     |   YYYY-MM-DD_hh-mm-ss.wav
|     |   YYYY-MM-DD_hh-mm-ss.wav
|     |
|     + \ XXXXXXXXX
|       | YYYY-MM-DD_hh-mm-ss.wav
|       | YYYY-MM-DD_hh-mm-ss.wav
|       | YYYY-MM-DD_hh-mm-ss.wav
|
+ \ alert
  | YYYY-MM-DD_hh-mm-ss.wav
  | YYYY-MM-DD_hh-mm-ss.wav
  | YYYY-MM-DD_hh-mm-ss.wav
+ \ favorites_lists
  | f_list.cfg
  | f_000001.hpd
  | f_000002.hpd
  | f_000003.hpd
+ \ firmware
  | BCD536HP_Vx_xx_xx.scn
  | BCD436HP_Vx_xx_xx.scn
  | ZipTable_Vx_xx_xx.dat
  | CityTable_Vx_xx_xx.dat
+ \ HPDB
  | hpdb.cfg
  |
  | s_000000.avd
  | s_000001.avd
  | s_000002.avd
  | :
  | :
```

hh: hour, mm: miniute, ss: second
DD: date, MM: month, YYYY: year
File/Sub-directory name is start

favorites_XXXXXX.hpd
(XXXXXX = 000001-999999)
The name of file is managed by
favorite_list.config.

Download from Sentinel

s_000113.avd
s_000181.avd

s_000000.hpd
s_000001.hpd
s_000002.hpd
:
:
s_000113.hpd
s_000181.hpd

Scan channel (each state)

+ \discovery

+ \Conventional

+ Session0001_Run0001

summary.log
detail.log

+ \25000000_AM_None

ss-mm-hh_DD-MM-YYYY.wav
ss-mm-hh_DD-MM-YYYY.wav
ss-mm-hh_DD-MM-YYYY.wav

+ \225000000_FM_C100.0

ss-mm-hh_DD-MM-YYYY.wav

+ \225000000_NFM_D023

+ \851012500_NFM_NFF

+ Session0001_Run0002

+ Session0001_Run0003

+ Session0001_Run0004

+ Session0001_Run0005

+ Session0002_Run0001

+ Session0002_Run0001

+ \Trunk

+ Session0001_Run0001

summary.log
detail.log

+ \125_A

ss-mm-hh_DD-MM-YYYY.wav

+ \65535_A

+ Session0002_Run0001

+ \activity_log

YYYY-MM-DD_hh-mm-ss_SystemName.log
YYYY-MM-DD_hh-mm-ss_SystemName.log
YYYY-MM-DD_hh-mm-ss_SystemName.log
YYYY-MM-DD_hh-mm-ss_SystemName.log
YYYY-MM-DD_hh-mm-ss_SystemName.log
YYYY-MM-DD_hh-mm-ss_SystemName.log

¥Sessionxxxx is Session name.

each channel.
Frequency+Modulation+CTCSS/DCS/NAC/Col
orCode/RAN/Area.

If system name include '¥¥', '/', ':', '*', '?', '¥"', '<', '>', '|', those
character are convert to '_'
If file name overs 64 characters, it is cut 64 characters.

【hexadecimal time stamp name format】

31	25 24	21 20	16 15	11 10	5 4	0
YYYY-1980	MM	DD	hh	mm	ss ÷ 2	

The sub folder name of user_rec is hexadecimal time stamp name format.

It's possible to converting hexadecimal time stamp to "YYYY-MM-SS_mm_dd_ss" format.

Ex.

4D786CA

-> 2018-11-24_13-37-24

【convert function sample source (C)】

```
void convert_dir_name(char *buff, const char *source_name)
{
    unsigned long year, month, day;
    unsigned long hour, minute, second;
    unsigned long fat_time = strtol(source_name, NULL, 10);

    year = ((fat_time >> 25) & 0x7f) + 1980;
    month = (fat_time >> 21) & 0xf;
    day = (fat_time >> 16) & 0x1f;
    hour = (fat_time >> 11) & 0x1f;
    minute = (fat_time >> 5) & 0x3f;
    second = (fat_time << 1) & 0x3f;

    sprintf(buff, "%04d-%02d-%02d_%02d-%02d-%02d",
            year, month, day,
            hour, minute, second);
}
```

)

Basic Rule

HomePatrol data file is described Encode=ASCII.

One line has One sentence.

One sentence has one command and several parameters.

A mark to divide command and parameter is Tab(/t)

The parameter be divided into multi parts.

A mark to divide into multi parts is "=", "/" or ",".

All HomePatrol data file has the following information.

Target Model name

File type

File format version

Rule each parameter

MyId/ParentId

HPDB's each resource has self and parent's ID.

ID is displayed xxId=xx

e.x.

CountyId=5

AgencyId=15

ID system list

description	HPDB ID
Country	CountryId
State	StateId
County	CountyId
Agency	AgencyId
Trunk System	TrunkId
cats	---
subcat	CGroupId
Conventional Frequency	CFreqId
Trunk Site	SiteId
Trunk Frequency	TFreqId
Talk Group ID Group	TGroupId
Talk Group ID Chanle	Tid

The scanner doesn't use RRDB ID

The hpd file which is Favorites List doesn't need MyId/ParentId.
just space

Name tag

Only 0x20-7E

MAX 64 lengths

Frequency / Step

1 = 1Hz

ex

851.0125MHz

⇒851012500

6.25KHz

⇒6250

Latitude/Longitude

Use DEGREE format

Up to the sixth decimal point figure

Time stamp

"MM/DD/YYYY hh:mm:ss" format

TGID

MOTOROLA TYPE1

- (1) BFF-SS Normal ID
B is 1 digit
FF should be 2 digits (0 filling)
SS is 1-2 digit(s)
- (2) BFFF-S Normal ID (when FLEET is 100-127)
B is 1 digit
FFF is 3 digits
S is 1 digit
- (3) B- Partial ID (free FLEET and SUB-FLEET)
B is 1 digit
- (4) BFF- Partial ID (fleet SUB-FLEET)
B is 1 digit
FF should be 2 digits (0 filling)
- (5) BFFF- Partial ID (fleet SUB-FLEET when FLEET is 100-127)
B is 1 digit
FFF is 3 digits
- (6) NNNNN Normal ID when SIZE CODE is 0
N is 1-5 digit(s)
- (7) iNNNNN I-CALL ID
N is 1-5 digit(s)

TYPE I format is no check.

MOTOROLA TYPE II

- (1) Normal ID
NNNNN (NNNNN is 1-5 digit(s), 1-65535)
- (2) I-CALL ID
iNNNNN (NNNNN is 1-5 digit(s), i0-i65535)

P25

- (1) Normal ID
NNNNN (NNNNN is 1-5 digit(s), 1-65535)
- (2) I-CALL ID
iNNNNNNNN (NNNNNNNN is 1-8 digit(s), i0-i16777215)

Note

P25 format cannot support PARTIAL ID.

DMR/MotoTRBO

- (1) Normal ID
NNNNNNNN (NNNNNNNN is 1-8 digit(s), 1-16777215)
- (2) I-CALL ID
iNNNNNNNN (NNNNNNNN is 1-8 digit(s), i0-i16777215)

Note

DMR format cannot support PARTIAL ID.

NXDN

- (1) Normal ID
NNNNN (NNNNN is 1-5 digit(s), 0-65535)
- (2) I-CALL ID

iNNNNN (NNNNN is 1–5 digit(s), i0–i65535)

Note

NXDN does not support PARTIAL ID.

EDACS

(1) Normal ID

AA-FFS (decimal 1–2,047)

(2) Partial ID (free FLEET and SUB-FLEET)

AA----

(3) Partial ID (free SUB-FLEET)

AA-FF–

AA : AGENCY 2digits (00–15) / (0 filling)

FF : FLEET 2digits (00–15) / (0 filling)

S : SUB-FLEET 1digit (0–7)

*ALL0(00–00–0) is invalid

(4) I-CALL ID

iNNNNNN (NNNNNN is 1–7 digit(s) i0–i1048575)

(5) EA (Extend Addressing) System

NNNNN (NNNNN is 1–5 digit(s), 2,048–65,535)

LTR

(1) Normal ID

A-RR-NNN

(2) Partial ID

A-RR----

A : AREA CODE 1digit (0 or 1)

RR : HOME REPEATER 2digit (01–20) / (0 filling)

NNN : ID 3digit (000–254) / (0 filling)

Note

LTR System has no I-CALL ID.

Alert Tone Type (Alert Type)

Parameters are following:

Off / 1 /.../ 9

Alert Tone Volume (Alert Volume)

Parameters are following:

Auto/1/.../15

Alert Light Color (Light Color)

Parameters are following:

Off

Blue

Red

Magenta

Green

Cyan

Yellow

White

Alert Light Pattern (Light Pattern)

Parameters are following:

On

Slow Blink
Fast Blink

Digital Waiting Time

0-1000

1 means 1ms.

Digital Threshold Mode

Parameters are following:

Auto

Manual

Default

Digital Threshold Level

5-13

[TargetModel]

Description :

Show target model name

Format :

TargetModel	ModelName
-------------	-----------

Parameter :

ModelName	<table border="1"><tr><td>BCDx36HP</td></tr></table>	BCDx36HP
BCDx36HP		

Note :

cannot omit
BCD436HP/BCD536HP set "BCDx36HP"

[FormatVersion]

Description :

Show file format version

Format :

FormatVersion	Version
---------------	---------

Parameter :

Version	x.xx
---------	------

Note :

cannot omit

*.hpd

is parameter which Favorites List doesn't need. It is just null.

is parameter which HPDB doesn't need. It is just null.

is parameter which user inputs doesn't need. It is just null. In favorites list this on need.

[Conventional]

Description :

Conventional System Parameter

Format :

Conventional	MyId	ParentId	Name Tag	Avoid	Reserve	System Type	->>
	->>	Quick Key	Number tag	System Hold Time	Analog AGC	Digital AGC	->>
	->>	Digital Waiting Time	Digital Threshold Mode	Digital Threshold Level			

Parameter :

MyId

CountyId=xx

AgencyId=xx

ParentId StateId=xx

Name Tag Name Tag

Avoid On/Off

System Type

Quick Key Off/0-99

Number tag Off/0-99

System Hold Time 0-255

Analog AGC Off/On

Digital AGC Off/On

Digital Waiting Time 0-1000

Digital Threshold Mode Auto, Manual, Default

Digital Threshold Level 5-13

Note :

In HPDB, avoid parameter is always Off. It is managed by *.avoid file.

[Trunk]

Description :

Trunked System Parameter

Format :

Trunk	MyId	ParentId	Name Tag	Avoid	Reserve	System Type	->>
	->>	ID Search	Alert Tone	Alert Volume	Status Bit	Reserve(NAC)	->>
	->>	Quick Key	Number tag	Site Hold Time	Analog AGC	Digital AGC	->>
	->>	End Code	Priority ID Scan	Alert Color	Alert Pattern	TGID Format	

Parameter :

MyId TrunkId=xx

ParentId StateId=xx

Name Tag ASCII character strings

Avoid On/Off

System Type

Conventional

Motorola

Edacs

Scat (reserve parameter)

Ltr

P25Standard it is P25 Phase I & II

P25OneFrequency

	P25X2_TDMA	
	MotoTrbo	
	DmrOneFrequency	
	Nxdn	
	NxdnOneFrequency	
ID Search	Off/On	
Alert Tone	Off/0/1/.../9	Emergency Alert Tone
Alert Volume	Auto/1/.../15	
Status Bit	Yes/Ignore	
NAC	Srch/0-FFF	
Quick Key	Off/0-99	
Number tag	Off/0-99	
System Hold Time	0-255	
Analog AGC	Off/On	
Digital AGC	Off/On	
End Code	Analog/Analog+Digital/Ignore	
Priority ID Scan	Off/On	
Alert Color	Alert Light Color format.	
Alert Pattern	Alert Light Pattern format.	
TGID Format	NEXEDGE/IDAS	

Note :

In HPDB, avoid parameter is always Off. It is managed by *.avoid file.

[AreaState]

Description :

State of System

Format :

AreaState	MyId	StateId
-----------	------	---------

Parameter :

MyId CountyId/AgencyId/TrunkId=xx
StateId

Note :

Favorites List doesn't need AreaState sentence.

[AreaCounty]

Description :

County of System

Format :

AreaCounty	MyId	CountyId
------------	------	----------

Parameter :

MyId CountyId/AgencyId/TrunkId=xx
CountyId

Note :

Favorites List doesn't need AreaCountysentence.

[FleetMap]

Description :

Format :

FleetMap	MyId	B0	B1	...	...	B6	B7
----------	------	----	----	-----	-----	----	----

Parameter :

MyId
B0 0/1-9/A/B/C/D/E

B1
B2
B3
B4
B5
B6
B7

Note :

If block size is all 0(TYPE 2)

[UnitIds]

Description :

Format :

UnitIds	Reserve	Reserve	Name Tag	Unit ID	Alert Tone	Alert Value
->>	Alert Color	Alert Pattern				

->>

Parameter :

Name Tag ASCII character strings
Unit ID 1-16777215
Alert Tone Off/1-9
Alert Value Auto/1-15
Alert Color Alert Light Color format.
Alert Pattern Alert Light Pattern format.

Note :

[AvoidTgids]

Description :

Format :

AvoidTgids	MyId	TGID 1	TGID 2	...	TGID 16
------------	------	--------	--------	-----	---------

Parameter :

TGID n TGID character strings

 n : 1-16

Note :

If TGID is avoided on ID Search mode doesn't exist, AvoidTgids sentence isn't outputted *.hpd file.
If over 16 TGIDs are avoided on ID Search mode, 2 or more AvoidTgids sentence are outputted to *.hpd file.

Site

Description :

Format :

Site	MyId	ParentId	Name Tag	Avoid	Latitude	Longitude
		->>	Range	Modulation	Mot Band Type	Edacs Band Type
		->>	Location Type	Attenuator	->>	
		->>	Digital Waiting Time	Digital Threshold Mode	Digital Threshold Level	Quick Key
		->>	NAC	Filter		

->>

->>

->>

Parameter :

MyId SiteId=xx
ParentId TrunkId=xx
Name Tag ASCII character strings
Avoid On/Off
Latitude According to basic rules.
Longitude According to basic rules.
Range 1=1mile, Up to the 1 decimal point figure.

Modulation AUTO
 NFM
 FM

Mot Band Type Standard
 Sprinter
 Custom

Edacs Band Type Wide
 Narrow

Location Type Circle/Rectangles

Attenuator On/Off

Digital Waiting Time 0-1000

Digital Threshold Mode Auto, Manual, Default

Digital Threshold Level 5-13

Quick Key Off/0-99

NAC Srch/0-FFF

Filter Global/Normal/Invert/Auto/Wide Normal/Wide Invert/Wide Auto/Off

Note :

In HPDB, avoid parameter is always Off. It is managed by *.avoid file.
 If [Trunk] System Type isn't Motorola, Mot Band Type is set "Standard".
 If [Trunk] System Type isn't Edacs, Edacs Band Type is set "Wide".

Rectangle

Description :

Format :

Rectangle	MyId	Latitude 1	Longitude 1	Latitude 2	Longitude 2
-----------	------	------------	-------------	------------	-------------

Parameter :

MyId SiteId=xx, TGroupId=xx or CGroupId=xx
 Latitude n According to basic rules.
 Longitude n According to basic rules.

Note :

Rectangle sentence is addition information for Department or Site.

BandPlan_Mot

Description :

Motorola's Custom Band Plan parameter

Format :

BandPlan_Mot	MyId	Lower 0	Upper 0	Spacing 0	Offset 0	...
	->>	...	Lower 5	Upper 5	Spacing 5	Offset 5

->>

Parameter :

MyId SiteId of Site
 Lower Frequency format
 Upper Frequency format
 Spacing Frequency format

5000/6250/10000/12500/15000/18750/20000/25000/
 30000/31250/35000/37500/40000/43750/45000/50000/
 55000/56250/60000/62500/65000/68750/70000/75000/
 80000/81250/85000/87500/90000/93750/95000/100000
 (5k and 6.25K multiples. Up to 100K)
 Offset "-1023" - "1023"

Note :
[BandPlan_Mot] is valid only Mot Band Type is CUSTOM.

BandPlan_P25

Description :
P25 Band plan

Format :

BandPlan_P25	MyId	Base 0	Spacing 0	Base 1	Spacing 1	...	Base F	Spacing F
--------------	------	--------	-----------	--------	-----------	-----	--------	-----------

Parameter :

MyId	SiteId
Base 0	Band Plan 0 Base Frequency
Spacing 0	Band Plan 0 Spacing Frequency
Base 1	Band Plan 1 Base Frequency
Spacing 1	Band Plan 1 Spacing Frequency
:	
:	
Base F	Band Plan F Base Frequency
Spacing F	Band Plan F Spacing Frequency
Base <i>n</i> :	Frequency format Refer to Band Coverage
Spacing <i>n</i> :	Frequency format (1 = 1Hz) Range $0.1250\text{kHz} \leq \text{Spacing} \leq 128.0000\text{kHz}$ per 125Hz

Note :
If Band Plan is undesignated, [BandPlan_P25] is omissible.

DQKs_Status

Description :

Favorites List Quick Status

Format :

DQKs_Status	MyId	D-Qkey_00	D-Qkey_01	D-Qkey_02		D-Qkey_99
-------------	------	-----------	-----------	-----------	-------	-----------

Parameter :

D-Qkey_xx Off/On

Note :

[C-Group] [T-Group]

Description :

Format :

C-Group	MyId	ParentId	Name Tag	Avoid	->>			
	->>	Latitude	Longitude	Range	Location Type	Quick Key	Filter	
T-Group	MyId	ParentId	Name Tag	Avoid	->>			
	->>	Latitude	Longitude	Range	Location Type	Quick Key		

Parameter :

MyId	xxId=xx
ParentId	xxId=xx
Name Tag	ASCII character strings
Avoid	On/Off

Latitude
 Longitude
 Range
 Location Type Circle/Rectangles
 Quick Key Off/0-99
 Filter Global/Normal/Invert/Auto/Wide Normal/Wide Invert/Wide Auto/Off

Note :

In HPDB, avoid parameter is always Off. It is managed by *.avoid file.
 Filter is C-Group only.

[C-Freq]

Description :

Format :

C-Freq	MyId	ParentId	Name Tag	Avoid	Frequency	Modulation
	->>	Audio Option	FuncTagId	Attenuator	Delay	Volume Offset
	->>	Alert Tone	Alert Volume	Alert Color	Alert Pattern	->>
	->>	Number tag	Priority Channel			

->>

->>

Parameter :

MyId xxId=xx
 ParentId xxId=xx
 Name Tag ASCII character strings
 Avoid On/Off
 Frequency Frequency(1=1Hz)
 Modulation AUTO/AM/NFM/FM
 Audio Option null(All), Tone=xxxx, NAC=xxx, ColorCode=xx, RAN=xx, Area=x to see sheet "Sub Audio" for Detail.
 FuncTagId 1-37,208-218
 Attenuator On/Off
 Delay 30,10,5,4,3,2,1,0,-5,-10
 Volume Offset -3/-2/-1/0/1/2/3
 Alert Tone Off/1-9
 Alert Volume Auto/1-15
 Alert Color Alert Light Color format.
 Alert Pattern Alert Light Pattern format.
 Number tag Off/0-999
 Priority Channel Off/On

Note :

In HPDB, avoid parameter is always Off. It is managed by *.avoid file.
 According to "Service Type" sheet about FuncTagId number.

[TGID]

Description :

Format :

TGID	MyId	ParentId	Name Tag	Avoid	TGID	Audio Type
			->>	FuncTagId	Delay	Volume Offset
	->>		Alert Tone	Alert Volume	Alert Color	Alert Pattern
			->>	Number tag	Priority Channel	TDMA Slot

->>

->>

->>

Parameter :

MyId xxId=xx
 ParentId xxId=xx
 Name Tag ASCII character strings
 Avoid On/Off
 TGID TGID character strings
 Audio Type ALL/ANALOG/DIGITAL
 FuncTagId 1-37,208-218
 Delay 30,10,5,4,3,2,1,0,-5,-10
 Volume Offset -3/-2/-1/0/1/2/3
 Alert Tone Off/1-9
 Alert Volume Auto/1-15
 Alert Color Alert Light Color format.
 Alert Pattern Alert Light Pattern format.

Number tag Off/0-999
Priority Channel Off/On
TDMA Slot 1/2/Any

Note :

In HPDB, avoid parameter is always Off. It is managed by *.avoid file.
According to "Service Type" sheet about FuncTagId number.

[T-Freq]

Description :

Format :

T-Freq	Reserve(MyId)	ParentId	Reserve	Reserve(Avoid)	Frequency	LCN	Color Code / RAN / Area
--------	---------------	----------	---------	----------------	-----------	-----	----------------------------

Parameter :

Reserve(MyId) xxId=xx
ParentId xxId=xx
Reserve
Reserve(Avoid) Off
Frequency Frequency(1=1Hz)
LCN number(0,1-30 / 1-20 / 1-4094 / 1-1023)
Color Code /
RAN / Area 0-15, RAN=0-63, Area=0-1, Srch

Note :

Reserve(MyId) is always "TFreqId=0".
Reserve(Avoid) is always Off.

Scanner.info

Scanner

Description :
HomePatrol Information

Format :

Scanner	Model	ESN	F_Ver	R_Ver	Reserve	->>
->>	Zip_Ver	City_Ver	WiFi_Ver	SCPU_Ver		

Parameter :

Model	Model name
ESN	ESN
F_Ver	Firmware Version
R_Ver	Registry Version
Zip_Ver	zip table version
City_Ver	city table version
WiFi_Ver	WiFi Module version
SCPU_Ver	SUB CPU version

Note :
UB375Z Model = "BCD536HP"

HPDB.config

DateModified

Description :
HPDB Version (the generation time stamp)

Format :
DateModified Time stamp

Parameter :
Time stamp

Note :

StateInfo

Description :
State information

Format :
StateInfo StateId CountryId NameTag ShortName

Parameter :
StateId StateId=xx
Country CountryId=xx
NameTag
ShortName

Note :
Character string of 2 characters like AL or Tx is registered with ShortName.

CountyInfo

Description :
County Information

Format :
County CountyId StateId NameTag

Parameter :
CountyId CountyId=xx
StateId StateId=xx
NameTag

Note :

LM

Description :
Auto Locate's System-Site ID

Format :

LM	StateId	CountyId	TrunId	SiteId	LM_SystemID	LM_SiteID	latitude	longitude
----	---------	----------	--------	--------	-------------	-----------	----------	-----------

Parameter :
StateId StateId=xx
TrunId TrunId=xx
CountyId CountyId=xx
SiteId SiteId=xx
LM_SystemID System ID(for Locate me) character data
LM_SiteID Site ID(for Locate me)
latitude latitude
longitude longitude

Note :
first sort key=LM_SystemID/ second sort key=LM_SiteID

LM_Frequency

Description :
Auto Locate's Frequency Information
LmSystemType

Format :
LM_Frequency Frequency Reserve LmTypeArray

Parameter :
Frequency
LmSystemType Motorola/P25Standard/Both
LmTypeArray xxx
 ||+---- P25 X2-TDMA
 |+---- P25 Standard
 +---- Motorola
 1= Detect/ 0=Not detected

Note :

Profile.config

ProductName

Description :
HomePatrol Information

Format :

ProductName	Model
-------------	-------

Parameter :
Model Model name
Note :
UB383Z Model = "SDS100"

GlobalSetting

Description :
Global setting parameter

Format :

GlobalSetting	ScanHpdb	G-Attenuator	Reserve	Priority Scan mode	Close Call mode	WX Priority_mode	->>
->>	Priority Interval	Ppriority Max Channels	Srch Key 1	Srch Key 2	Srch Key 3	->>	
->>	Key Lock	Key Beep	Volume	Squelch	Scan SearchWithScan List	Search With Scan System Avoid	->>
->>	Site NAC Operation	Global Auto Filter	Audio Off Time	Headphone L/R output			

Parameter :

ScanHpdb Off/On
G-Attenuator On/Off Global Attenuator
Priority Scan mode Off/DND/Priority
Close Call mode Off/DND/Priority
WX Priority_mode Off/Priority
Priority Interval 1-10 (sec)
Ppriority Max Channels 1-100
Srch Key 1 Off, Custom0, Custom1,.....,Custom9, ToneOut, CloseCall, Waterfall
Srch Key 2 Off, Custom0, Custom1,.....,Custom9, ToneOut, CloseCall, Waterfall
Srch Key 3 Off, Custom0, Custom1,.....,Custom9, ToneOut, CloseCall, Waterfall
Key Lock Off/On
Key Beep Off/1-15/Auto
Volume 0-29 (Mobile) / 0-15 (Handy)
Squelch 0-19 (Mobile) / 0-15(Handy)
SearchWithScanList Off/On
SearchWithScan Off/On
System Avoid
Site NAC Operation Ignore / Compare
Global Auto Filter Normal/Invert/Auto/Wide Normal/Wide Invert/Wide Auto/Off
Audio Off Time 0,100,500,1000,2000,3000,4000,5000,10000,30000 (0 mens infinite)
Headphone L/R output In Phase/Invert Phase

Appened "Waterfall" on V1.07

Note :

SearchCommon

Description :
Search / Clsoe Call Search common setting

Format :

SearchCommon	Reserve	Repeater Find	Attenuator	Delay	Modulation	->>
->>	agc_analog	agc_digital	Digital_waiting_time	Digital_threshold Mode	Digital_threshold_Level	Filter

Parameter :

Repeater Find Off/On
Attenuator Off/On
Delay 30,10,5,4,3,2,1,0,-5,-10
Modulation Auto/AM/NFM/FM/WFM/FMB
agc_analog Off/On
agc_digital Off/On
Digital_waiting_time 0-1000
Digital_threshold_Mode Auto, Manual, Default

Digital_threshold_Level 5-13
Filter Global/Normal/Invert/Auto/Wide Normal/Wide Invert/Wide Auto/Off

Note :

PresetBroadcastScreen

Description :
Preset Broadcast Screen Setting

Format :

PresetBroadcastScreen	Pager	FM	UHF TV	VHF TV	NOAA WX
-----------------------	-------	----	--------	--------	---------

Parameter :
Pager Off/On
FM Off/On
UHF TV Off/On
VHF TV Off/On
NOAA WX Off/On

Note :

CustomBroadcastScreen

Description :
Custom Broadcast Screen Setting

Format :

CustomBroadcastScreen	Band 0 Enable	Band 0 Lower	Band 0 Upper	->>
->>	Band 1 Enable	Band 1 Lower	Band 1 Upper	->>
->>	:	:	:	->>
->>	:	:	:	->>
->>	Band 9 Enable	Band 9 Lower	Band 9 Upper	

Parameter :
Band x Enable Off/On
Band x Lower 0-1300MHz
Band x Upper 0-1300MHz
Band x: 0-9

Note :

CurrentLocation

Description :
Current Location parameter

Format :

CurrentLocation	latitude	longitude	Range
-----------------	----------	-----------	-------

Parameter :
latitude latitude DEG format
longitude longitude DEG format
Range 0.0-50.0, 0.5miles step

Note :

GpsOption

Description :
GPS parameter

Format :

GpsOption	GpsFormat	BaudRate
-----------	-----------	----------

Parameter :
GpsFormat DMS/Decimal
BaudRate Off/4800/9600/19200/38400/57600/115200

Note :

InterestingLocation

Description :
Location parameter

Format :

InterestingLocation	Name	latitude	longitude	Range
---------------------	------	----------	-----------	-------

Parameter :
Name Name Tag
latitude latitude decimal format
longitude longitude decimal format
Range 0-50, 0.5miles step

Note :

ServiceType

Description :
ServiceType On/Off parameter

Format :

ServiceType	Id01_state	Id02_state	...	Id37_state
-------------	------------	------------	-----	------------

Parameter :
Id01_state On/Off
Id02_state On/Off
:
:
Id37_state On/Off

Note :
ID = Function tag ID.

Custom ServiceType

Description :
Custom ServiceType On/Off parameter

Format :

CustomServiceType	Id01_state	Id02_state	...	Id10_state
-------------------	------------	------------	-----	------------

Parameter :
Id01_state On/Off Cutom 1
Id02_state On/Off Cutom 2
:
:
Id08_state On/Off Cutom 8
Id09_state On/Off Racing Officials
Id10_state On/Off Racing Teams

Note :

Weather

Description :
enable Wx Counties list's Counties list name

Format :

Weather	Reserve	Delay	Attenuator	agc_analog
---------	---------	-------	------------	------------

Parameter :
Delay 30,10,5,4,3,2,1,0,-5,-10
Attenuator Off/On
agc_analog Off/On

Note :

WxSameList

Description :
Counties list (1-5)'s Name

Format :

WxSameList	SameId	Name	FIPS 0	FIPS 1	FIPS 2	->>
	->>	FIPS 3	FIPS 4	FIPS 5	FIPS 6	->>
	->>	FIPS 7				

Parameter :
SameId SameId=x (x=1-5)
Name Same Group Name
FIPS 0 xxxxxx "000000"-"999999" or "-----"
FIPS 1 xxxxxx "-----" is none.
FIPS 2 xxxxxx
FIPS 3 xxxxxx
FIPS 4 xxxxxx
FIPS 5 xxxxxx
FIPS 6 xxxxxx
FIPS 7 xxxxxx

Note :

DisplayOption

Description :
Display parameter

Format :

DisplayOption	Reserve	Reserve	Reserve	Reserve	->>
->>	Reserve	MotTgidFormat	Reserve	Reserve	->>
->>	Reserve (Upside down)	Reserve	Simple mode (3 Line mode)	EdacTgidFormat	Color Mode

Parameter :
MotTgidFormat DEC/HEX
ScnDisp Mode Mode 1/Mode 2
Simple mode Off / On
EdacTgidFormat AFS/DEC
Color Mode COLOR/BLACK/WHITE

Note:

Note 2:
Upside_down does not effect for SDS100

Backlight

Description :
Backlight settings

Format :

	0	1	2	3	4	
Backlight	Reserve	Reserve	Reserve	Reserve	Reserve	->>
->>	Brightness	Key_Backlight	FlashLed	Ext_PWR_Light	SQ Light	Key Light
->>	Dimmer_mode	Auto_Polarity	Manual_Level	->>		
	Dimmer_L	Dimmer_M	Dimmer_H	Key_Backlight2		

Parameter :

Brightness	10/20/30/40/50/60/70/80/90/100	Only SDS100
Key_Backlight	Off/On	Only SDS100
FlashLed	Off/On	
Ext_PWR_Light	Off/On	Only SDS100
SQ Light	Off/5/10/15/OpenSquelch	
Key Light	15/30/60/120/Infinite	
Dimmer_mode	Auto/Manual	Only SDS200
Auto_Polarity	Auto+/Auto-	Only SDS200
Manual_Level	Low/Middle/High	Only SDS200
Dimmer_L	10/20/30/40/50/60/70/80/90/100	Only SDS200
Dimmer_M	10/20/30/40/50/60/70/80/90/100	Only SDS200
Dimmer_H	10/20/30/40/50/60/70/80/90/100	Only SDS200
Key_Backlight2	Off/On	Only SDS200

Note :
If FlashLed is On, scanner flashes Alert LED, when LCD backlight turn off,

QuickKeys

Description :
Favorites List Quick Status

Format :

QuickKeys	F-Qkey_00	F-Qkey_01	F-Qkey_02		F-Qkey_99
-----------	-----------	-----------	-----------	-------	-----------

Parameter :
F-Qkey_xx Off/On

Note :

Battery

Description :
Battery parameter

Format :

Battery	Battery Save	Reserve	Reserve	Alert Interval	->>
->>	Alert Tone	Alert Volume			

Parameter :
Battery Save Off/On
Alert Interval 1-60
Alert Tone 640,780,920,1060,1200
Alert Volume Off/1-15/Auto

Note :
This sentence is effective only Handy model.

OwnerInfo

Description :
Owner Information

Format :

OwnerInfo	Msg1st	Msg2nd	Msg3rd	Msg4th
-----------	--------	--------	--------	--------

Parameter :

Msg1st
Msg2nd
Msg3rd
Msg4th

Note :

Msg xx th length is max 24 characters.

ClockOption

Description :
Clock parameter

Format :

ClockOption	Reserve	TimeZone	Daylight Save
-------------	---------	----------	------------------

Parameter :

TimeZone -14.0 <-> 14.0 0.5 step 0.5 = 30min, 1=1hour
Daylight Save On/Off

Note :

RecordingOption

Description :
Recording parameter

Format :

RecordingOption	Replay Duration	User Rec
-----------------	-----------------	----------

Parameter :

Replay Duration 0, 30-240, 30 step (1=1sec , 0 means Off)
User Rec On/Off

Note :

LimitSearch

Description :
Limit Search parameter

Format :

LimitSearch	MyId	Name	Lower	Upper	Modulation	Step
->>	Delay	Attenuator	BankStatus	Avoid	Reserve	Reserve
	->>	Reserve	Reserve	Hold Time	Analog AGC	Digital AGC
	->>	Digital Waiting Time	Digital Threshold Mode	Digital Threshold Level		

->>

->>

->>

Parameter :

MyId SrchId=xx
Name Name Tag
Lower Frequency format

Upper Frequency format
Modulation Auto/AM/NFM/FM/WFM/FMB
Step Auto/5000/6250/7500/8333/10000/12500/15000/20000/25000/50000/100000
Delay 30,10,5,4,3,2,1,0,-5,-10
Attenuator Off/On
BankStatus Off/On
Avoid Off/On
Hold Time 0-255
Analog AGC Off/On
Digital AGC Off/On
Digital Waiting Time 0-1000
Digital Threshold Mode Auto, Manual, Default
Digital Threshold Level 5-13

Note :

CloseCall

Description :

Motorola's Custom Band Plan parameter for C-Chan only Custom Search

Format :

CloseCall	Reserve	Reserve	Avoid	pause time	-->
-->	Alert Type	Alert Volume	Alert Color	Alert Pattern	-->
-->	band vhf l1	band vhf l2	band air	band vhf h1	
-->	band vhf h2	band uhf	band 800	-->	
-->	Reserve	Reserve	Hold Time		

Parameter :

Avoid Off/On for search with scan
pause_time 3, 5, 10, 15, 30, 45, 60, Infinite
Alert Type Alert Tone Type format.
Alert Volume Alert Tone Volume format.
Alert Color Alert Light Color format.
Alert Pattern Alert Light Pattern format.
band_vhf_l1 Off/On
band_vhf_l2 Off/On
band_air Off/On
band_vhf_h1 Off/On
band_vhf_h2 Off/On
band_uhf Off/On
band_800 Off/On
Hold Time 0-255 for search with scan

Note :

ToneOut

Description :

Toun out mode setting

Format :

ToneOut	MyId	Name Tag	Reserve	Frequency	-->
-->	Modulation	Tone A	Tone B	Attenuator	-->
-->	Delay	agc analog	-->		
-->	Alert Tone	Alert Volume	Alert Color	Alert Pattern	

Parameter :

MyId ToneOutId=xx
Name Tag ASCII character strings
Frequency(1=1Hz)
Modulation AUTO/NFM/FM It hasn't AM,WFM,FMB.
Tone A 0, 2500-35000 (1=0.1Hz) It is illegal frequency format.
Tone B 0, 2500-35000 (1=0.1Hz) It is illegal frequency format.
Attenuator Off/On
delay 0, 1, 2, 3, 4, 5, 10, 30, Infinite It hasn't negative delay.
agc_analog Off, On
Alert Type Alert Tone Type format.
Alert Volume Alert Tone Volume format.
Alert Color Alert Light Color format.
Alert Pattern Alert Light Pattern format.

Note :

Waterfall

Description :
Waterfall setting

Format :

Waterfall	Reserve	Name	Center	Reserve	Modulation	Step
->>	Span	Reserve	Reserve	Reserve	Reserve	Reserve
	FFT_Graph	FFT_Percent	Max_Hold	Max_Hold Time	Marker_Position	rf_gain
	Marker_Width	b_1st_msg				

->>

->>

->>

Parameter :

Name ASCII character strings
Center Frequency(1=1Hz)
Modulation Auto/AM/NFM/FM/WFM/FMB
Step Auto/5000/6250/8333/10000/12500/20000/25000/50000/100000 (Except 7.5k/15k)
Span 0.36/0.72/1.44/2.88/5.76/8.64/17.28 (1 means 1MHz)
FFT_Type Line/Bar
FFT_Display 25/50/75/100
Max_Hold On/Off
Max_Hold_Time 3/10/Infinite
Marker_Position Shift/Fixed (Shift is "Position Adjustable" / Fixed is "Fixed in Center Screen")
rf_gain Auto/0/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15
Marker_Width Narrow/Normal/Wide
b_1st_msg On/Off

Note :

Custom Waterfall Band

Description :
Custom Waterfall Band

Format :

CustomWfBand	MyId	Name	Center	Reserve	Modulation	Step
->>	Span					

->>

Parameter :

MyId CWFBandId=xx
Name Name Tag
Center Frequency(1=1Hz)
Modulation Auto/AM/NFM/FM/WFM/FMB
Step Auto/5000/6250/8333/10000/12500/20000/25000/50000/100000 (Except 7.5k/15k)
Span 0.36/0.72/1.44/2.88/5.76/8.64/17.28 (1 means 1MHz)

Note :

Note :

Waterfall Color Settings

Description :
Waterfall Color settings

Format :

WfColors	WF_L1	WF_L2	WF_L3	WF_L4	WF_L5	Marker
----------	-------	-------	-------	-------	-------	--------

Parameter :

WF_L1 Waterfall signal strength level 1 color
WF_L2 Waterfall signal strength level 2 color
WF_L3 Waterfall signal strength level 3 color
WF_L4 Waterfall signal strength level 4 color
WF_L5 Waterfall signal strength level 5 color
Marker Marker Color

AvoidFreqs

Description :

Avoided frequencies list for Search and Close Call

Format :

AvoidFreqs	Reserve	Freq 1	Freq 2	...	Freq 16
------------	---------	--------	--------	-----	---------

Parameter :

AvoidFreqs Frequency format

Note :

IfxFreqs

Description :

IF Exchanger frequencies list

Format :

IfxFreqs	Reserve	Freq 1	Freq 2	...	Freq 16
----------	---------	--------	--------	-----	---------

Parameter :

IfxFreqs Frequency format

Note :

BandDefault

Description :

BandDefault

Format :

BandDefault	MyId	Modulation	Step
-------------	------	------------	------

Parameter :

MyId	BandId=xx
Modulation	AM/NFM/FM/WFM/FMB
Step	5000/6250/7500/8333/10000/12500/15000/20000/25000/50000/100000

Note :

DispOptItems

Description :

Display Customize Option Item Settings

Format :

DispOptItems	DispOptId	DispLayoutId	OptItem1	OptItem2	->>
->>		OptItem3	...	OptItem n	

Note :

see sheet "DiplsyCustomSDS100" and "Color, Item code" for detail

DispColors

Description :

Display Customize Color Settings

Format :

DispColors	DispColorId	ColorLayoutId	TextColor1	BackColor1	->>
->>	TextColor2	BackColor2	...	TextColor n	

Note :

see sheet "DiplsyCustomSDS100" and "Color, Item code" for detail

favorite_list.config

F-List

Description :
favorite list parameter

Format :

F-List	UserName	Filename	LocationControl	Monitor	Quick key	->>
->>	NumberTag	->>				
->>	Startup key 0	Startup key 1	Startup key 2	Startup key 3	Startup key 4	->>
->>	Startup key 5	Startup key 6	Startup key 7	Startup key 8	Startup key 9	->>
->>	S-Qkey_00	S-Qkey_01	...		S-Qkey_99	

Parameter :

UserName	Favorites List display name	
Filename	Favorites List file name(include extension)	
LocationControl	On(=Yes) / Off(=No)	
Monitor	On(=Monitor) / Off	
Quick key	Off/0-99	favorites list quick key
NumberTag	Off/0-99	favorites list number tag
Startup key 0	Off / On	start up configuration key
Startup key 1	Off / On	
Startup key 2	Off / On	
Startup key 3	Off / On	
Startup key 4	Off / On	
Startup key 5	Off / On	
Startup key 6	Off / On	
Startup key 7	Off / On	
Startup key 8	Off / On	
Startup key 9	Off / On	
S-Qkey_00	Off / On	
S-Qkey_01	Off / On	
S-Qkey_02	Off / On	
:		
:		
S-Qkey_98	Off / On	
S-Qkey_99	Off / On	

Note :

【DispLayoutId and ColorLayoutId】

DisplayLayoutId and ColorLayoutId means display mode.

	DispLayoutId	ColorLayoutId
Simple Conventional Mode	1	1
Simple Trunk Mode	2	6
Detail Conventional Mode	3	2
Detail Trunk Mode	4	7
Search/CC Mode	5	3
Weather Mode	6	4
Tone Out Mode	7	5

【DispOptItems】

DispOptItems stores Option Item. It is divided 4 groups by "DispOptId".

User can select followings:

- | | |
|-------------|---|
| DispOptId=1 | Huge area option |
| DispOptId=2 | Large area option |
| DispOptId=3 | Small area option |
| DispOptId=4 | Icon area option |
| | see to sheet "Color, Item code" for Detail. |

The items order is determined by "DispOptId" and "DispLayoutId".

【DispColors】

DispColors stores customize color. It is divided same groups by "DispColorId".

Each item has 2 colors (Text and Back).

F, HOLD, Soft Key 1, Soft Key 2 and Soft Key 3 are reversed text color and back color.

The items order is determined by "DispColorId" and "ColorLayoutId".

Simple Conventional Mode

Simple Trunk Mode

F	Option_1	Option_2	Option_3	Option_4	SIG	BAT
SP0	Option_5	Option_6	Option_7	Option_8	KEY	DIR
System Name						
System Option					AVOID	
Dept Name						
Dept Option					AVOID	
Channel Name						

Channel Option										AVOID
Option A_1					Option_B_1					
ICON1	ICON2	ICON3	ICON4	ICON5	ICON6	ICON7	ICON8	ICON9	ICON10	
Soft Key 1		SP1	Soft Key 2		SP2	Soft Key 3				

Detail Conventional Mode

Detail Trunk Mode

F	Option_1		Option_2		Option_3		Option_4		SIG	BAT
Info area 1					Option_7		Option_8		KEY	DIR
Info area 2					Option C_1					
Info area 3					Option C_2					
System Name										
System Option									AVOID	
Dept Name										
Dept Option									AVOID	
Channel Name										
Channel option									AVOID	
Option A_1					Option B_1					
Option A_2					Option B_2					
Option A_3					Option B_3					
Option A_4					Option B_4					
Option A_5					Option B_5					
ICON1	ICON2	ICON3	ICON4	ICON5	ICON6	ICON7	ICON8	ICON9	ICON10	
Soft Key 1			SP1	Soft Key 2			SP2	Soft Key 3		

Search/CC Mode

Weather Mode

Tone Out Mode

F	Option_1	Option_2	Option_3	Option_4	SIG	BAT
Info area 1			Option_7	Option_8	KEY	DIR
Info area 2			Option C 1			
Info area 3			Option C 2			
Primary 1						
Primary 2						
Primary 3						
Sub Info			Mod		AVOID	HOLD
Detail info						
Option A_1			Option B_1			
Option A_2			Option B_2			
Option A_3			Option B_3			
ICON1	ICON2	ICON3	ICON4	ICON5	ICON6	ICON7
ICON8	ICON9	ICON10				
Soft Key 1		SP1	Soft Key 2		SP2	Soft Key 3

--

DispOptItems

DispOptId=1	DispLayoutId=x	System Option	Dept Option	Channel Option		
DispOptId=2	DispLayoutId=x	Option A_1	Option_B_1			
DispOptId=3	DispLayoutId=x	Option_1	Option_2	Option_3	Option_4	Option_5
DispOptId=4	DispLayoutId=x	ICON1	ICON2	ICON3	ICON4	ICON5

DispColors

DispColorId=1	ColorLayoutId=x	System Name	System Avoid	Dept Name	Dept Avoid	Channel Name
DispColorId=2	ColorLayoutId=x	System Option	Dept Option	Channel Option		
DispColorId=3	ColorLayoutId=x	Option_1	Option_2	Option_3	Option_4	Option_5
DispColorId=4	ColorLayoutId=x	Option A_1	Option_B_1			
DispColorId=5	ColorLayoutId=x	ICON1	ICON2	ICON3	ICON4	ICON5
DispColorId=6	ColorLayoutId=x	F	SIG	BAT	SP0	KEY
DispColorId=7	ColorLayoutId=x	Soft Key 1	SP1	Soft Key 2	SP2	Soft Key 3

F, Soft Key 1, Soft Key 2 and Soft Key 3 are reversed text color and back color.
Color item has TextColor and BackColor.

			System Option	Dept Option	Channel O
Ex					
DispOptItems	DispOptId=1	DispLayoutId=1	FL_Name	Empty	Frequency
DispOptItems	DispOptId=2	DispLayoutId=1	ServiceType	CTCSS/DCS	
DispOptItems	DispOptId=3	DispLayoutId=1	ATT	Empty	Day
DispOptItems	DispOptId=4	DispLayoutId=1	Modulation	P_Ch	IFX
DispColors	DispColorId=1	ColorLayoutId=1		ff4600	000000
DispColors	DispColorId=2	ColorLayoutId=1		ff4600	000000
DispColors	DispColorId=3	ColorLayoutId=1		ffffff	000000
DispColors	DispColorId=4	ColorLayoutId=1		e79473	000000
DispColors	DispColorId=5	ColorLayoutId=1		ffffff	000000
DispColors	DispColorId=6	ColorLayoutId=1		ffffff	000000
			System Name Text color		System Name Back color

DispOptItems

DispOptId=1	DispLayoutId=x	System Option	Dept Option	Channel Option		
DispOptId=2	DispLayoutId=x	Option A_1	Option_B_1	Option A_2	Option_B_2	Option A_3
DispOptId=3	DispLayoutId=x	Option_1	Option_2	Option_3	Option_4	Option_7
DispOptId=4	DispLayoutId=x	ICON1	ICON2	ICON3	ICON4	ICON5

DispColors

DispColorId=1	ColorLayoutId=x	System Name	System Avoid	Dept Name	Dept Avoid	Channel Name
DispColorId=2	ColorLayoutId=x	System Option	Dept Option	Channel Option		
DispColorId=3	ColorLayoutId=x	Option_1	Option_2	Option_3	Option_4	Option_5
DispColorId=4	ColorLayoutId=x	Option A_1	Option_B_1	Option A_2	Option_B_2	Option A_3
DispColorId=5	ColorLayoutId=x	ICON1	ICON2	ICON3	ICON4	ICON5
DispColorId=6	ColorLayoutId=x	F	SIG	BAT	KEY	DIR
DispColorId=7	ColorLayoutId=x	Soft Key 1	SP1	Soft Key 2	SP2	Soft Key 3

F, Soft Key 1, Soft Key 2 and Soft Key 3 are reversed text color and back color.

DispOptItems

DispOptId=2	DispColorId=x	Option A_1	Option_B_1	Option A_2	Option_B_2	Option A_3
DispOptId=3	DispColorId=x	Option_1	Option_2	Option_3	Option_4	Option_7
DispOptId=4	DispColorId=x	ICON1	ICON2	ICON3	ICON4	ICON5

DispColors

DispColorId=1	ColorLayoutId=x	Primary 1	Primary 2	Primary 3	Sub Info	Mod
DispColorId=3	ColorLayoutId=x	Option_1	Option_2	Option_3	Option_4	Option_5
DispColorId=4	ColorLayoutId=x	Option A_1	Option_B_1	Option A_2	Option_B_2	Option A_3
DispColorId=5	ColorLayoutId=x	ICON1	ICON2	ICON3	ICON4	ICON5
DispColorId=6	ColorLayoutId=x	F	SIG	BAT	KEY	DIR
DispColorId=7	ColorLayoutId=x	Soft Key 1	SP1	Soft Key 2	SP2	Soft Key 3

F, HOLD, Soft Key 1, Soft Key 2 and Soft Key 3 are reversed text color and back color.

Option_6	Option_7	Option_8		
ICON6	ICON7	ICON8	ICON9	ICON10

Channel Avoid

Option_6	Option_7	Option_8
----------	----------	----------

ICON6	ICON7	ICON8	ICON9	ICON10
DIR				

ption

/

Time LVL	Volume Empty	Squelch REC	P25Status GPS	TdmaSlot PRI	CC	W
ff4600	000000	ff8800	000000	ff8800	000000	ffd
ff8800	000000	ffd600	000000			
ffffff	000000	ffffff	000000	ffffff	000000	fffi
e79473	000000					
ffffff	000000	ffffff	000000	ffffff	000000	fffi
ffffff	000000	ffffff	000000	ffffff	000000	fffi

Option_B_3	Option_A_4	Option_B_4	Option_A_5	Option_B_5	Option_C_1	Option_C_2
Option_8						
ICON6	ICON7	ICON8	ICON9	ICON10		

Channel Avoid	Info area 1	Info area 2	Info area 3
---------------	-------------	-------------	-------------

Option_6	Option_7	Option_8				
Option_B_3	Option_A_4	Option_B_4	Option_A_5	Option_B_5	Option_C_1	Option_C_2
ICON6	ICON7	ICON8	ICON9	ICON10		

Option_B_3	Option C_1	Option C_2		
Option_8				
ICON6	ICON7	ICON8	ICON9	ICON10

AVOID	HOLD	Detail info	Info area 1	Info area 2	Info area 3
Option_6	Option_7	Option_8			
Option_B_3	Option C_1	Option C_2			
ICON6	ICON7	ICON8	ICON9	ICON10	

xPRI

l600	000000	ffd600	000000			
fff	000000	ffffff	000000	fffff	000000	ffffff
fff	000000	ffffff	000000	fffff	000000	ffffff
fff	000000	ffffff	000000			

000000

000000

ffffff

000000

ffffff

000000

[Discovery] Conventional.config

ConvDiscovery

Description :
Conventional Discovery parameter

Format :

ConvDiscovery	Reserve	Name	Lower	Upper	Modulation	-->
-->	-->	-->	Step	Delay	Logginig	-->
				Compare DB	Duration	Time-Out Auto Store

Parameter :

Name Max Length 32char
Lower Frequency format
Upper Frequency format
Modulation AUTO/AM/NFM/FM/WFM/FMB
Step Auto/5000/6250/7500/8333/10000/12500/15000/20000/25000/50000/100000
Delay 5,4,3,2,1,0 (Not support "minus delay")
Logging All / New
Compare DB On/Off
Duration 0/30/60/90/120/150/180/300/600 , (1=1sec (Recording Duration)
Time-Out 0/10/30/60 (0=OFF)
Auto Store Off / On

Note :

Trunk.config

DiscoveryTrunk

Description :
Trunking Discovery parameter

Format :

TrunkDiscovery	Reverse	Name	Delay	Logging	-->
-->	Compare DB	Duration	Fav Name	System Name	-->
-->	Trunk ID	System Type	Site ID	Site Name	Time-Out Auto Store

Parameter :

Name Max Length 32char
Delay 5,4,3,2,1,0 (Not support "minus delay")
Logging All / New
Duration 0/30/60/90/120/150/180/300/600 , (1=1sec (Recording Duration)
Compare DB On/Off
Fav Name Favorites List Name, (this one is set *NULL* ,if Full Database)
System Name system name tag
Trunk ID TrunkId=xx (Database=HPDB), null (Database=Favorites List)
System Type Conventional
Motorola
Edacs
Scat (reserve parameter)
Ltr
P25Standard
P25OneFrequency
P25X2_TDMA
MotoTRBO
DmrOneFrequency
Nxdn
NxdnOneFrequency
Siteld Siteld=xx (Database=HPDB), null (Database=Favorites List)
Site Name site name tag
Time-Out 0/10/30/60 (0=OFF)
Auto Store Off / On

Note :

Fav Name, System Name, Trunk ID and System Type, Siteld, Site Name are set by HomePatrol only.
PC-App doesn't modify . It reads those one, then wrtes same value to file.
When PC-App creates new Trunking Discovery, those parameters are set NULL.

***.avoid**

[Avoid]

Description :
Avoid Information

Format :

1.	Avoid	Stateld	SystemId	DeptId	ChannelId
2.	Avoid	Stateld	SystemId	DeptId	
3.	Avoid	Stateld	SystemId	SiteId	
4.	Avoid	Stateld	SystemId		

Parameter :

- Note :
- 1 channel(Conventional frequency/TGID) avoid format
 - 2 department avoid format
 - 3 Site avoid format
 - 4 System avoid format

ModelInfo

Description :

Mode Information

Format :

ModelInfo	Mode	System Hold	Dept Hold
-----------	------	-------------	-----------

Parameter :

Mode	Scan
	ScanHold
	ToneOut
	ToneOutHold
	CustomSearch
	CustomSearchHold
	QuickSearch
	QuickSearchHold
	IDsearch
	IDsearchhold
	IDscan
	IDmanual
	EdacsIDSearch
	EdacsIDSearchHold
	EdacsIDScan
	EdacsIDManual
	LTRIDSearch
	LTRIDSearchHold
	LTRIDScan
	LTRIDManual
	CloseCallOnly
	WeatherScan
	WeatherHold
	Waterfall

[ScanListType]

Description :

Scan List Type Parameter

Format :

ScanListType	Type	Name
--------------	------	------

Parameter :

Type	FullDatabase
	FavoritesList
	SearchWithScan
Name	Favorites List Name

[ScanConvSystem]

Description :

Conventional System Parameter

Format :

ScanConvSystem	System Hold	Conventional	MyId	ParentId	Name Tag	Avoid	Reserve	-->
	-->	System Type	Quick Key	Number tag	System Hold Time	Analog AGC	Digital AGC	-->
	-->	Digital Waiting Time	Digital Threshold Mode	Digital Threshold Level				

Parameter :

System Hold	On/Off
MyId	
	CountyId=xx
	AgencyId=xx
ParentId	StateId=xx
Name Tag	Name Tag
Avoid	On/Off
System Type	
Quick Key	Off/0-99
Number tag	Off/0-99
System Hold Time	0-255
Analog AGC	Off/On
Digital AGC	Off/On
Digital Waiting Time	0-1000
Digital Threshold Mode	Auto, Manual, Default
Digital Threshold Level	5-13

[ScanTrunkSystem]

Description :

Trunked System Parameter

Format :

ScanTrunkSystem	System Hold	Trunk	MyId	ParentId	Name Tag	Avoid	Reserve	-->
	-->	System Type	ID Search	Alert Tone	Alert Volume	Status Bit	Reserve(NAC)	-->
	-->	Quick Key	Number tag	Site Hold Time	Analog AGC	Digital AGC		
		End Code	Priority ID Scan	Alert Color	Alert Pattern	TGID Format		

Parameter :

System Hold	On/Off	
MyId	TrunkId=xx	
ParentId	StateId=xx	
Name Tag	ASCII character strings	
Avoid	On/Off	
System Type	Conventional	
	Motorola	
	Edacs	
	Scat	(reserve parameter)
	Ltr	
	P25Standard	it is P25 Phase I & II
	P25OneFrequency	
	P25X2_TDMA	
	MotoTrbo	
	DmrOneFrequency	
	Nxdn	
	NxdnOneFrequency	
ID Search	Off/On	
Alert Tone	Off/0/1/.../9	Emergency Alert Tone
Alert Volume	Auto/1/.../15	
Status Bit	Yes/Ignore	
Reserve (NAC)	Srch/0-FFF	
Quick Key	Off/0-99	
Number tag	Off/0-99	
System Hold Time	0-255	
Analog AGC	Off/On	
Digital AGC	Off/On	
End Code	Analog/Analog+Digital/Ignore	
Priority ID Scan	Off/On	
Alert Color	Alert Light Color format.	
Alert Pattern	Alert Light Pattern format.	
TGID Format	NEXEDGE/IDAS	

[ScanC-Group]

[ScanT-Group]

Description :

Group Parameter

Format :

ScanC-Group	Group Hold	C-Group	MyId	ParentId	Name Tag	Avoid	-->
		-->	Latitude	Longitude	Range	Location Type	Filter
ScanT-Group	Group Hold	T-Group	MyId	ParentId	Name Tag	Avoid	-->
		-->	Latitude	Longitude	Range	Location Type	

Parameter :

Group Hold	On/Off	
MyId	xxId=xx	
ParentId	xxId=xx	
Name Tag	ASCII character strings	
Avoid	On/Off	
Latitude		
Longitude		
Range		
Location Type	Circle/Rectangles	
Filter	Global/Normal/Invert/Auto/Off	Filter is C-Group only.

[ScanC-Freq]

Description :

Channel Frequency Parameter

Format :

ScanC-Freq	C-Freq	MyId	ParentId	Name Tag	Avoid	Frequency	Modulation	-->
	-->	Audio Option	FuncTagId	Attenuator	Delay	Volume Offset		-->
	-->	Alert Tone	Alert Volume	Alert Color	Alert Pattern			-->
	-->	Number tag	Priority Channel					

Parameter :

MyId	xxId=xx
------	---------

ParentId	xxId=xx
Name Tag	ASCII character strings
Avoid	On/Off
Frequency	Frequency(1=1Hz)
Modulation	AUTO/AM/NFM/FM
Audio Option	null(All),Tone=xxxx,NAC=xxx, ColorCode=xx, RAN=xx, Area=x to see sheet "Sub Audio" for Detail.
FuncTagId	1-37,208-218
Attenuator	On/Off
Delay	30,10,5,4,3,2,1,0,-5,-10
Volume Offset	-3/-2/-1/0/1/2/3
Alert Tone	Off/1-9
Alert Volume	Auto/1-15
Alert Color	Alert Light Color format.
Alert Pattern	Alert Light Pattern format.
Number tag	Off/0-999
Priority Channel	Off/On

[ScanTGID]

Description :

TGID Parameter

Format :

ScanTGID	TGID	MyId	ParentId	Name Tag	Avoid	TGID	Audio Type
			->>	FuncTagId	Delay	Volume Offset	->>
		->>	Alert Tone	Alert Volume	Alert Color	Alert Pattern	->>
			->>	Number tag	Priority Channel	TDMA Slot	

Parameter :

MyId	xxId=xx
ParentId	xxId=xx
Name Tag	ASCII character strings
Avoid	On/Off
TGID	TGID character strings
Audio Type	ALL/ANALOG/DIGITAL
FuncTagId	1-37,208-218
Delay	30,10,5,4,3,2,1,0,-5,-10
Volume Offset	-3/-2/-1/0/1/2/3
Alert Tone	Off/1-9
Alert Volume	Auto/1-15
Alert Color	Alert Light Color format.
Alert Pattern	Alert Light Pattern format.
Number tag	Off/0-999
Priority Channel	Off/On
TDMA Slot	1/2/Any

ScanSite

Description :

Format :

ScanSite	Site Hold	Site	MyId	ParentId	Name Tag	Avoid	Latitude	Longitude
			->>	Range	Modulation	Mot Band Type	Edacs Band Type	->>
			->>	Location Type	Attenuator	->>		
			->>	Digital Waiting Time	Digital Threshold Mode	Digital Threshold Level	Quick Key	NAC
								Filter

Parameter :

MyId	SiteId=xx
ParentId	TrunkId=xx
Name Tag	ASCII character strings
Avoid	On/Off
Latitude	According to basic rules.
Longitude	According to basic rules.
Range	1=1mile, Up to the 1 decimal point figure.
Modulation	AUTO NFM FM
Mot Band Type	Standard Sprinter Custom
Edacs Band Type	Wide Narrow
Location Type	Circle/Rectangles
Attenuator	On/Off
Digital Waiting Time	0-1000
Digital Threshold Mode	Auto, Manual, Default
Digital Threshold Level	5-13

Quick Key	Off/0-99
NAC	Srch/0-FFF
Filter	Global/Normal/Invert/Auto/Off

[ScanT-Freq]

Description :

Format :

ScanT-Freq	T-Freq	Reserve(MyId)	ParentId	Reserve	Reserve(Avoid)	Frequency	LCN	Color Code / RAN / Area
------------	--------	---------------	----------	---------	----------------	-----------	-----	----------------------------

Parameter :

Reserve(MyId)	xxId=xx
ParentId	xxId=xx
Reserve	
Reserve(Avoid)	Off
Frequency	Frequency(1=1Hz)
LCN	number(0,1-30 / 1-20 / 1-4094 / 1-1023)
Color Code / RAN / Area	0-15, RAN=0-63, Area=0-1, Srch

[SearchWithScan]

Description :

Sesarch With Scan parameter

Format :

SearchWithScan	System Index
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Parameter :

[CustomSearch]

Description :

Custom Serach Parameter

Format :

CustomSearch	Bank	Frequency
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Parameter :

Bank	0-9
Frequency	0x00250000 - 0x13000000

[QuickSearch]

Description :

Quick Search parameter

Format :

QuickSearch	Frequency
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Parameter :

Frequency	0x00250000 - 0x13000000
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[ToneOut]

Description :

ToneOut Parameter

Format :

ToneOut	Channel
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Parameter :

Channel	1 - 32
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[CloseCall]

Description :

Close Call Parameter

Format :

CloseCall

Parameter :

[Conventional]

logging	summary
time	-----
Frequency	o
Modulation	o
Audio Option	o
Hits	o
Duration	o
Name	o
Known	o
Type	o

[Trunking]

logging	summary
time	-----
TGID	o
Site Name	-----
Audio Mode	o
Hits	o
Duration	o
Unit ID	-----
Known	o
Name	o

[Run Info]

Description: There is Run Info sentence in first line on summary.log.
It is recorded information to resume discovery (ex Location Limit Frequencies, Trunk System).

Format (Conventional):

RunInfo C	Latitude	Longitude	Range	Lower	Upper	Modulation	Step
			Delay	Logging	Compare DB	Duration	Time-Out

-->

Parameter:

Latitude latitude decimal fomat
Longitude longitude decimal fomat
Range 0-50 , 0.5miles step
Lower: Frequency(1=1Hz)
Upper: Frequency(1=1Hz)
Modulation: AUTO/AM/NFM/FM/WFM/FMB
Step Auto/5000/6250/7500/8333/10000/12500/15000/20000/25000/50000/100000
Delay: 0, 1, 2, 3, 4, 5
Logging: All, New
Compare DB: On/Off
Duration: 0, 30, 60, 90, 120, 150, 180, 300, 600
Time-Out 0/10/30/60 (0=OFF)

Format (Trunking):

RunInfo T	Latitude	Longitude	Range	Delay	Logging	Compare DB	Duration
			Fav Name	System Name	TrunkId	System Type	SiteId
			Site Name	Time-Out			

-->

-->

Parameter:

Latitude latitude decimal fomat
Longitude longitude decimal fomat
Range 0-50 , 0.5miles step
Delay: 0, 2, 5
Logging: All, New
Duration: 0, 30, 60, 90, 120, 150, 180, 300, 600
Compare DB: On/Off
Fav Name: Favorites List name (Database=Favorites List), null (Database=HPDB)
System Name: system name tag
TrunkId TrunkId=xx (Database=HPDB), null (Database=Favorites List)
System Type:
Conventional
Motorola
Edacs
Scat (reserve parameter)
Ltr
P25Standard
P25OneFrequency
P25X2_TDMA
MotoTRBO
DmrOneFrequency
Nxdrn
NxdrnOneFrequency
SiteId SiteId=xx (Database=HPDB), null (Database=Favorites List)
Site Name: site name tag
Time-Out 0/10/30/60 (0=OFF)

【Conventional】

Description:

Format:

Summary_C_Log	Freq	Audio Option	Modulation	Duration	Hits	Name	Type
					->>	Known	Avoid

->>

Parameter:

Freq Frequency(1=1Hz)
Audio Option TONE=Cxxx.x, TONE=Dxxx, NAC=xxxx, ColorCode=xx, RAN=xx, Area=x, "None"
Modulation AM/NFM/FM/WFM/FMB
Duration 0-600
Hits 1-65535
Name channel name (if it detetced on Database)
Type S(site freq), C(conventional freq)
Known 1 (known), 0 (new found)
Avoid 1 (avoid), 0 (unavoid)

【Trunking】

Description:

Format:

Summary_T_Log	TGID	Audio Mode	Duration	Hits	Name	Known	Avoid
---------------	------	------------	----------	------	------	-------	-------

Parameter:

TGID TGID character strings
Audio Mode ANALOG/DIGITAL
Duration 0-600
Hits 1-65535
Name TGID name(if it detetced on Database)
Known 1 (known), 0 (new found)
Avoid 1 (avoid), 0 (unavoid)

【Conventional】

logging	detail
time	o
Frequency	o
Modulation	o
Audio Option	o
Hits	---
Duration	o
Name	o
Known	---
Type	o

【Trunking】

logging	detail
time	o
TGID	o
Site Name	o
Audio Mode	o
Hits	---
Duration	o
Unit ID	o
Known	---
Name	o
NAC / Color Code	o
/	
RAN / Area	
TDMA Slot	o

【Conventional】

Description:

Format:

Detail_C_Log	Time	Freq	Audio Option	Modulation	Duration	Name	Type
--------------	------	------	--------------	------------	----------	------	------

Parameter:

Time MM/DD/YYYY hh:mm:ss
 Freq Frequency(1=1Hz)
 Audio Option "None", "TONE=Cxxx.x", "TONE=Dxxx", "NAC=xxxx", "Color Code=xx", "RAN=xx", "Area=x"
 Modulation AM/NFM/FM
 Duration 0-600
 Name channel name (if channel is detected on DB)
 Type S(site frequency), C(conventional frequency)

【Trunking】

Description:

Format:

Detail_T_Log	Time	TGID	Audio Mode	Duration	Unit ID	Reserve	Name	NAC / Color Code / RAN / Area	TDMA Slot
--------------	------	------	------------	----------	---------	---------	------	-------------------------------------	-----------

Parameter:

Time MM/DD/YYYY hh:mm:ss
 TGID TGID character strings
 Audio Mode ANALOG/DIGITAL
 Duration 0-600
 Unit ID 1-16777215 , 0 (if HP-1 did not detected Unit ID)
 Reserve
 Name channel name (if channel is detected on DB)
 NAC / Color Code
 / RAN / Area xxxh / 0-15 / 0-63 / 0-1, None
 TDMA Slot 1, 2, None

Service Type

FuncTagId	Service Type
1	Multi-Dispatch
2	Law Dispatch
3	Fire Dispatch
4	EMS Dispatch
5	non
6	Multi-Tac
7	Law Tac
8	Fire-Tac
9	EMS-Tac
10	non
11	Interop
12	Hospital
13	Ham
14	Public Works
15	Aircraft
16	Federal
17	Business
18	non
19	non
20	Railroad
21	Other
22	Multi-Talk
23	Law Talk
24	Fire-Talk
25	EMS-Talk
26	Transportation
27	non
28	non
29	Emergency Ops
30	Military
31	Media
32	Schools
33	Security
34	Utilities
35	non
36	non
37	Corrections

Custom Service Type

208	Custom 1
209	Custom 2
210	Custom 3
211	Custom 4
212	Custom 5
213	Custom 6
214	Custom 7
215	Custom 8
216	Racing Officials
217	Racing Teams

Conventional channel Option & Discovery Detail/Summary

All File	Analog (CTCSS/DCS)	Digital (P25 NAC/Color Code/RAN/Area)	Digital (P25 NAC)
(null)	File	File	File
	Tone Search	NAC Search	NAC Search
	CTCSS 67.0Hz	TONE-67.0	NAC 000
	CTCSS 69.3Hz	TONE-69.3	NAC 001
	CTCSS 71.9Hz	TONE-71.9	NAC 002
	CTCSS 74.4Hz	TONE-74.4	NAC 003
	CTCSS 77.0Hz	TONE-77.0	NAC 004
	CTCSS 79.7Hz	TONE-79.7	NAC 005
	CTCSS 82.5Hz	TONE-82.5	NAC 006
	CTCSS 85.4Hz	TONE-85.4	NAC 007
	CTCSS 88.5Hz	TONE-88.5	NAC 008
	CTCSS 91.5Hz	TONE-91.5	NAC 009
	CTCSS 94.8Hz	TONE-94.8	NAC 00A
	CTCSS 97.4Hz	TONE-97.4	NAC 00B
	CTCSS 100.0Hz	TONE-100.0	NAC 00C
	CTCSS 103.5Hz	TONE-103.5	NAC 00D
	CTCSS 107.2Hz	TONE-107.2	NAC 00E
	CTCSS 110.9Hz	TONE-110.9	NAC 00F
	CTCSS 114.8Hz	TONE-114.8	NAC 010
	CTCSS 118.8Hz	TONE-118.8	NAC 011
	CTCSS 123.0Hz	TONE-123.0	NAC 012
	CTCSS 127.3Hz	TONE-127.3	NAC 013
	CTCSS 131.8Hz	TONE-131.8	NAC 014
	CTCSS 136.5Hz	TONE-136.5	NAC 015
	CTCSS 141.3Hz	TONE-141.3	NAC 016
	CTCSS 146.2Hz	TONE-146.2	NAC 017
	CTCSS 151.4Hz	TONE-151.4	NAC 018
	CTCSS 156.7Hz	TONE-156.7	NAC 019
	CTCSS 159.8Hz	TONE-159.8	NAC 020
	CTCSS 162.2Hz	TONE-162.2	NAC 021
	CTCSS 165.5Hz	TONE-165.5	NAC 022
	CTCSS 167.9Hz	TONE-167.9	NAC 023
	CTCSS 171.3Hz	TONE-171.3	NAC 024
	CTCSS 173.8Hz	TONE-173.8	NAC 025
	CTCSS 177.3Hz	TONE-177.3	NAC 026
	CTCSS 179.9Hz	TONE-179.9	NAC 027
	CTCSS 183.5Hz	TONE-183.5	NAC 028
	CTCSS 186.2Hz	TONE-186.2	NAC 029
	CTCSS 189.9Hz	TONE-189.9	NAC 030
	CTCSS 192.8Hz	TONE-192.8	NAC 031
	CTCSS 196.6Hz	TONE-196.6	NAC 032
	CTCSS 199.5Hz	TONE-199.5	NAC 033
	CTCSS 203.5Hz	TONE-203.5	NAC 034
	CTCSS 206.5Hz	TONE-206.5	NAC 035
	CTCSS 210.7Hz	TONE-210.7	NAC 036
	CTCSS 218.1Hz	TONE-218.1	NAC 037
	CTCSS 225.7Hz	TONE-225.7	NAC 038
	CTCSS 229.1Hz	TONE-229.1	NAC 039
	CTCSS 233.6Hz	TONE-233.6	NAC 040
	CTCSS 241.8Hz	TONE-241.8	NAC 041
	CTCSS 250.3Hz	TONE-250.3	NAC 042
	CTCSS 254.1Hz	TONE-254.1	NAC 043
	DCS 006	TONE-0006	NAC 044
	DCS 007	TONE-0007	NAC 045
	DCS 015	TONE-0015	NAC 046
	DCS 017	TONE-0017	NAC 047
	DCS 021	TONE-0021	NAC 048
	DCS 023	TONE-0023	NAC 049
	DCS 025	TONE-0025	NAC 050
	DCS 026	TONE-0026	NAC 051
	DCS 031	TONE-0031	NAC 052
	DCS 032	TONE-0032	NAC 053
	DCS 036	TONE-0036	NAC 054
	DCS 043	TONE-0043	NAC 055
	DCS 047	TONE-0047	NAC 056
	DCS 050	TONE-0050	NAC 057
	DCS 051	TONE-0051	NAC 058
	DCS 053	TONE-0053	NAC 059
	DCS 054	TONE-0054	NAC 060
	DCS 065	TONE-0065	NAC 061
	DCS 071	TONE-0071	NAC 062
	DCS 072	TONE-0072	NAC 063
	DCS 073	TONE-0073	NAC 064
	DCS 074	TONE-0074	NAC 065
	DCS 114	TONE-0114	NAC 066
	DCS 115	TONE-0115	NAC 067
	DCS 116	TONE-0116	NAC 068
	DCS 122	TONE-0122	NAC 069
	DCS 125	TONE-0125	NAC 070
	DCS 131	TONE-0131	NAC 071
	DCS 132	TONE-0132	NAC 072
	DCS 134	TONE-0134	NAC 073
	DCS 141	TONE-0141	NAC 074
	DCS 143	TONE-0143	NAC 075
	DCS 145	TONE-0145	NAC 076
	DCS 152	TONE-0152	NAC 077
	DCS 155	TONE-0155	NAC 078
	DCS 156	TONE-0156	NAC 079
	DCS 162	TONE-0162	NAC 080
	DCS 165	TONE-0165	NAC 081
	DCS 172	TONE-0172	NAC 082
	DCS 174	TONE-0174	NAC 083
	DCS 205	TONE-0205	NAC 084
	DCS 212	TONE-0212	NAC 085
	DCS 214	TONE-0214	NAC 086
	DCS 223	TONE-0223	NAC 087
	DCS 225	TONE-0225	NAC 088
	DCS 226	TONE-0226	NAC 089
	DCS 243	TONE-0243	NAC 090
	DCS 244	TONE-0244	NAC 091
	DCS 245	TONE-0245	NAC 092
	DCS 246	TONE-0246	NAC 093
	DCS 251	TONE-0251	NAC 094
	DCS 252	TONE-0252	NAC 095
	DCS 255	TONE-0255	NAC 096
	DCS 261	TONE-0261	NAC 097
	DCS 263	TONE-0263	NAC 098
	DCS 265	TONE-0265	NAC 099
	DCS 266	TONE-0266	NAC 100
	DCS 271	TONE-0271	NAC 101
	DCS 274	TONE-0274	NAC 102
	DCS 306	TONE-0306	NAC 103
	DCS 311	TONE-0311	NAC 104
	DCS 315	TONE-0315	NAC 105
	DCS 325	TONE-0325	NAC 106
	DCS 331	TONE-0331	NAC 107
	DCS 332	TONE-0332	NAC 108
	DCS 343	TONE-0343	NAC 109
	DCS 346	TONE-0346	NAC 110
	DCS 351	TONE-0351	NAC 111
	DCS 356	TONE-0356	NAC 112
	DCS 364	TONE-0364	NAC 113
	DCS 365	TONE-0365	NAC 114
	DCS 371	TONE-0371	NAC 115
	DCS 411	TONE-0411	NAC 116
	DCS 412	TONE-0412	NAC 117
	DCS 413	TONE-0413	NAC 118
	DCS 423	TONE-0423	NAC 119
	DCS 431	TONE-0431	NAC 120
	DCS 432	TONE-0432	NAC 121
	DCS 445	TONE-0445	NAC 122
	DCS 446	TONE-0446	NAC 123
	DCS 452	TONE-0452	NAC 124
	DCS 454	TONE-0454	NAC 125
	DCS 455	TONE-0455	NAC 126
	DCS 462	TONE-0462	NAC 127
	DCS 464	TONE-0464	NAC 128
	DCS 465	TONE-0465	NAC 129
	DCS 466	TONE-0466	NAC 130
	DCS 503	TONE-0503	NAC 131
	DCS 506	TONE-0506	NAC 132
	DCS 516	TONE-0516	NAC 133
	DCS 523	TONE-0523	NAC 134
	DCS 526	TONE-0526	NAC 135
	DCS 532	TONE-0532	NAC 136
	DCS 546	TONE-0546	NAC 137
	DCS 565	TONE-0565	NAC 138
	DCS 606	TONE-0606	NAC 139

Note :

Discovery Detail/Summary

If None CTCSS/DCS/NAC/RAN/Area is Analog.
"None".

Note : Tone L/O (r Area code).

"L/O" is appended after ctcss/dcs

When channel is set Tone L/O setting.

P25 Frequency Option

Digital (P25 NAC)	File
NAC Search	Search
NAC 000	0
NAC 001	1
NAC 002	2
NAC 003	3
NAC 004	4
NAC 005	5
NAC 006	6
NAC 007	7
NAC 008	8
NAC 009	9
NAC 00A	A
NAC 00B	B
NAC 00C	C
NAC 00D	D
NAC 00E	E
NAC 00F	F
NAC 010	10
NAC 011	11
NAC 012	12
NAC 013	13
NAC 014	14
NAC 015	15
NAC 016	16
NAC 017	17
NAC 018	18
NAC 019	19
NAC 020	20
NAC 021	21
NAC 022	22
NAC 023	23
NAC 024	24
NAC 025	25
NAC 026	26
NAC 027	27
NAC 028	28
NAC 029	29
NAC 030	30
NAC 031	31
NAC 032	32
NAC 033	33
NAC 034	34
NAC 035	35
NAC 036	36
NAC 037	37
NAC 038	38
NAC 039	39
NAC 040	40
NAC 041	41
NAC 042	42
NAC 043	43
NAC 044	44
NAC 045	45
NAC 046	46
NAC 047	47
NAC 048	48
NAC 049	49
NAC 050	50
NAC 051	51
NAC 052	52
NAC 053	53
NAC 054	54
NAC 055	55
NAC 056	56
NAC 057	57
NAC 058	58
NAC 059	59
NAC 060	60
NAC 061	61
NAC 062	62
NAC 063	63
NAC 064	64
NAC 065	65
NAC 066	66
NAC 067	67
NAC 068	68
NAC 069	69
NAC 070	70
NAC 071	71
NAC 072	72
NAC 073	73
NAC 074	74
NAC 075	75
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DCS 612 TONE-0612
DCS 624 TONE-0624
DCS 627 TONE-0627
DCS 631 TONE-0631
DCS 632 TONE-0632
DCS 654 TONE-0654
DCS 662 TONE-0662
DCS 664 TONE-0664
DCS 703 TONE-0703
DCS 712 TONE-0712
DCS 723 TONE-0723
DCS 731 TONE-0731
DCS 732 TONE-0732
DCS 734 TONE-0734
DCS 743 TONE-0743
DCS 754 TONE-0754

DCS 612 D612
DCS 624 D624
DCS 627 D627
DCS 631 D631
DCS 632 D632
DCS 654 D654
DCS 662 D662
DCS 664 D664
DCS 703 D703
DCS 712 D712
DCS 723 D723
DCS 731 D731
DCS 732 D732
DCS 734 D734
DCS 743 D743
DCS 754 D754

Text/Back Color

color name	File
Aliceblue	eff7ff
Antiquewhite	f7ebd6
Aqua	00fbf7
Aquamarine	7bffce
Azure	efffff
Beige	eff3d6
Bisque	ffe3bd
Black	000000
Blanchedalmond	ffe3bc6
Blue	0000ff
Blueviolet	8429de
Brass	b5a542
Brown	a52929
Burlywood	d6b584
Cadetblue	5a9c9c
Chartreuse	7bff00
Chocolate	ce6718
Coolcopper	d68418
Copper	bd00de
Coral	ff7f4a
Cornflower	bdefde
Cornflowerblue	6390e7
Cornsilk	fff7d6
Crimson	d61039
Cyan	00ffff
Darkblue	000084
Darkbrown	d60800
Darkcyan	008884
Darkgoldenrod	b58408
Darkgray	a5a5a5
Darkgreen	006300
Darkkhaki	b5b56b
Darkmagenta	840084
Darkolivegreen	526b29
Darkorange	ff8800
Darkorchid	9431c6
Darkred	840000
Darksalmon	e79473
Darkseagreen	8cb98c
Darkslateblue	423d84
Darkslategray	294e4a
Darkturquoise	00cace
Darkviolet	8c00ce
Deeppink	ff108c
Deepskyblue	00bfff
Dimgray	636763
Dodgerblue	188cff
Feldspar	f7cede
Firebrick	ad2121
Floralwhite	fff7ef
Forestgreen	218821
Fuchsia	f700f7
Gainsboro	d6dad6
Ghostwhite	f7f7ff
Gold	ffd600

Huge area option

Item	File
(Empty)	Empty
CTCSS/DCS/NAC	CTCSS/DCS
Favorites List Name	FL_Name
Frequency	Frequency
Number Tag	NumberTag
RF Sub System(RFSS) ID	SysSubID
Service Type	ServiceType
Site ID	SiteId
Site Name	SiteName
System Type	SystemType
System/Network ID	SystemId
TGID	TGID
Unit ID	UnitId
Unit ID Name	UnitIdName
Volume & Squelch	Volume&Squelch
WACN	WACN

Goldenrod	d6a118
Gray	7b7f7b
Green	007f00
Greenyellow	adff29
Honeydew	efffef
Hotpink	ff67ad
Indianred	c65a5a
Indigo	4a007b
Ivory	ffffef
Khaki	efe38c
Lavender	dee3f7
Lavenderblush	ffe3f7
Lawngreen	7fbf00
Lemonchiffon	fff7c6
Lightblue	add6de
Lightcoral	ef7f7b
Lightcyan	deffff
Lightgoldenrodyellow	f7f7ce
Lightgreen	8ceb8c
Lightgray	ced2ce
Lightpink	ffb1bd
Lightsalmon	ff9c73
Lightseagreen	18ada5
Lightskyblue	84caf7
Lightslategray	738494
Lightsteelblue	adc2d6
Lightyellow	ffffde
Lime	00ff00
Limegreen	31ca31
Linen	f7efde
Magenta	ff00ff
Maroon	7b0000
Mediumaquamarine	63caa5
Mediumblue	0000cd
Mediumorchid	b556ce
Mediumpurple	8c6fd6
Mediumseagreen	39b16b
Mediumslateblue	7367e7
Mediumspringgreen	00f794
Mediumturquoise	42ced6
Mediumvioletred	c61484
Midnightblue	18186b
Mintcream	efffef
Mistyrose	ffe3de
Moccasin	ffe3b5
Navajowhite	ffdaad
Navy	00008b
Oldlace	f7f3de
Olive	7b7f00
Olivedrab	6b8c21
Orange	ffa100
Orangered	ffa100
Orchid	d66fd6
Palegoldenrod	e7e7a5
Palegreen	94fb94
Paleturquoise	adebe7
Palevioletred	d66fd6
Papayawhip	ffe3ce
Peachpuff	ffd6b5

Peru	c68039
Pink	ffbdc6
Plum	d69cd6
Powderblue	addede
Purple	7b007b
Red	ff0000
Richblue	08adde
Rosybrown	b58c8c
Royalblue	3967de
Saddlebrown	844610
Salmon	f77f6b
Sandybrown	efa15a
Seagreen	298852
Seashell	fff3e7
Sienna	9c5229
Silver	bdbdbd
Skyblue	84cae7
Slateblue	635ac6
Slategray	6b7f8c
Snow	fff7f7
Springgreen	00ff7b
Steelblue	4280ad
Tan	ceb18c
Teal	007f7b
Thistle	d6bdd6
Tomato	ff6342
Turquoise	39dece
Violet	e780e7
Wheat	efdaad
White	ffffff
Whitesmoke	eff3ef
Yellow	ffff00
Yellowgreen	94ca31

Large area option

Item	File
(Empty)	Empty
Battery Voltage	BattVoltage
CTCSS/DCS/NAC	CTCSS/DCS
Digital Error Count	D_ErrorCount
Filter	Filter
Favorites List Name	FL_Name
Frequency	Frequency
Latitude	latitude
LCN	Lcn
Longitude	longitude
Noise	Noise
Number Tag	NumberTag
RF Sub System(RFSS) ID	SysSubID
RSSI	Rssi
RSSI Graph	Rssi Bar
Service Type	ServiceType
Site ID	SiteId
Site Name	SiteName
System Type	SystemType
System/Network ID	SystemId
TDMA Slot	TdmaSlot
TGID	TGID
Unit ID	UnitId
Unit ID Name	UnitIdName
USB1 Vbus Voltage	USB1_vbus
USB2 Vbus Voltage	USB2_vbus
Volume & Squelch	Volume&Squelch
WACN	WACN

Small area option

Item	File
(Empty)	Empty
Attenuator	ATT
Broadcast Screen	SCR
Close Call	CC
Date	Day
Digital Status	P25Status
GPS	GPS
IF Exchange	IFX
Modulation	Modulation
P-Channel	P_Ch
Priority Scan	PRI
REC	REC
Repeater Find	REP
Squelch	Squelch
TDMA Slot	TdmaSlot
Time	Time
Volume	Volume
Volume Offset	LVL
WX Priority	WxPRI