

SDS100/200 FILE SPECIFICATION

BUYER'S MODEL : SDS100/200

VERSION No. : 1.03
ISSUED DATE : 2019/01/18
CATEGORY : SCN

Uniden[®] Holdings Corporation

APRVD	CHECKED (S)	ISSUED

■ Revision

Ver	Date	Description
0.01		draft
1.02		appended "Site NAC Operation" in GlobalSetting.
1.03	Jan. 18, 2019	Append Global Auto Filter and Filter

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
|     | hexadecimal time stamp name
|     + \ XXXXXXXX
|       | YYYY-MM-DD_hh-mm-ss.wav
|       | YYYY-MM-DD_hh-mm-ss.wav
|     + \ XXXXXXXX
|       | 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
  | State, County list, Locate me info
```

hh: hour, mm: minute, 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_000000.avd
s_000001.avd
s_000002.avd
:
:
s_000113.avd
s_000181.avd

avoid list (each state)

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

¥Sessionxxxx is Session name.

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

+ \Trunk

+ Session0001_Run0001

summary.log
detail.log

+ \125_A

ss-mm-hh_DD-MM-YYYY.wav

+ \65535_A

+ Session0002_Run0001

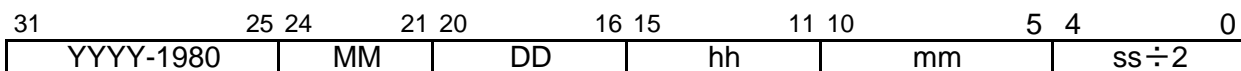
+ \activity_log

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

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】



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

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

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 0.1250kHz ≤ Spacing ≤ 128.0000kHz 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

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
CountryId
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
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 deteced

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					

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
Srch Key 2 Off, Custom0, Custom1,..... ,Custom9, ToneOut, CloseCall
Srch Key 3 Off, Custom0, Custom1,..... ,Custom9, ToneOut, CloseCall
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 Off/On
Site NAC Operation Ignore / Compare
Global Auto Filter Normal/Invert/Auto

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

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

RecordingOption

Format :

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

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

LimitSearch

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	Digital Threshold Level			

CloseCall

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		

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	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 :

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	BackColor 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
NumberTag	Off/0-99
Startup key 0	Off / On
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

favorites list quick key
 favorites list number tag
 start up configuration key

Note :

[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 Ltr P25Standard P25OneFrequency P25X2_TDMA MotoTRBO DmrOneFrequency Nxdn NxdnOneFrequency	(reserve parameter)
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	StateId	SystemId	DeptId	ChannelId
2.	Avoid	StateId	SystemId	DeptId	
3.	Avoid	StateId	SystemId	SiteId	
4.	Avoid	StateId	SystemId		

Parameter :

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

ModeInfo

Description :
Mode Information

Format :

ModeInfo	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

[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

[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=xxx,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

[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
----------------	--------------

Parameter :

[CustomSearch]

Description :

Custom Serach Parameter

Format :

CustomSearch	Bank	Frequency
--------------	------	-----------

Parameter :

Bank	0-9
Frequency	0x00250000 - 0x13000000

[QuickSearch]

Description :

Quick Search parameter

Format :

QuickSearch	Frequency
-------------	-----------

Parameter :

Frequency	0x00250000 - 0x13000000
-----------	-------------------------

[ToneOut]

Description :

ToneOut Parameter

Format :

ToneOut	Channel
---------	---------

Parameter :

Channel	1 - 32
---------	--------

[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	Logginig	Compare DB	Duration	Time-Out

-->

Parameter:

Latitude latitude decimal fomate
Longitude longitude decimal fomate
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 fomate
Longitude longitude decimal fomate
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
	Nxdn
	NxdnOneFrequency
Siteld	Siteld=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 / RAN / Area	o
TDMA Slot	o

【Conventional】

Description:

Format:

Detail_C_Log	Time	Freq	Audio Option	Modulation	Duration	Name	Type
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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
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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

Conventional channel Option & Discovery Detail/Summary

P25 Frequency Option

DMR Frequency Option & Discovery Detail

NXDN Frequency Option & Discovery Detail

Discovery folder name String

All	Analog (CTCSS/DCS)		Digital (P25 NAC/Color Code/RAN/Area)		Digital (P25 NAC)	Digital (Color Code)	Digital (RAN/Area)	Analog (CTCSS/DCS)	Digital (P25 NAC/RAN/Area)	
File	File	File	File	File	File	File	File		If Digital, always exists NAC or RU	
(null)	Tone Search	TONE=Srch	NAC Search	NAC=Srch	NAC Search	Srch	RAN/Area Search	None	None	(Nothing)
	CTCSS 67.0Hz	TONE=C67.0	NAC 000	NAC=0	NAC 000	0	Area 0	CTCSS 67.0Hz	C67.0	NAC 000
	CTCSS 69.3Hz	TONE=C69.3	NAC 001	NAC=1	NAC 001	1	Area 1	CTCSS 69.3Hz	C69.3	NAC 001
	CTCSS 71.9Hz	TONE=C71.9	NAC 002	NAC=2	NAC 002	2	RAN 0	CTCSS 71.9Hz	C71.9	NAC 002
	CTCSS 74.4Hz	TONE=C74.4	NAC 003	NAC=3	NAC 003	3	RAN 1	CTCSS 74.4Hz	C74.4	NAC 003
	CTCSS 77.0Hz	TONE=C77.0	NAC 004	NAC=4	NAC 004	4	RAN 2	CTCSS 77.0Hz	C77.0	NAC 004
	CTCSS 79.7Hz	TONE=C79.7	NAC 005	NAC=5	NAC 005	5	RAN 3	CTCSS 79.7Hz	C79.7	NAC 005
	CTCSS 82.5Hz	TONE=C82.5	NAC 006	NAC=6	NAC 006	6	RAN 4	CTCSS 82.5Hz	C82.5	NAC 006
	CTCSS 85.4Hz	TONE=C85.4	NAC 007	NAC=7	NAC 007	7	RAN 5	CTCSS 85.4Hz	C85.4	NAC 007
	CTCSS 88.5Hz	TONE=C88.5	NAC 008	NAC=8	NAC 008	8	RAN 6	CTCSS 88.5Hz	C88.5	NAC 008
	CTCSS 91.5Hz	TONE=C91.5	NAC 009	NAC=9	NAC 009	9	RAN 7	CTCSS 91.5Hz	C91.5	NAC 009
	CTCSS 94.8Hz	TONE=C94.8	NAC 00A	NAC=A	NAC 00A	A	RAN 8	CTCSS 94.8Hz	C94.8	NAC 00A
	CTCSS 97.4Hz	TONE=C97.4	NAC 00B	NAC=B	NAC 00B	B	RAN 9	CTCSS 97.4Hz	C97.4	NAC 00B
	CTCSS 100.0Hz	TONE=C100.0	NAC 00C	NAC=C	NAC 00C	C	RAN 10	CTCSS 100.0Hz	C100.0	NAC 00C
	CTCSS 103.5Hz	TONE=C103.5	NAC 00D	NAC=D	NAC 00D	D	RAN 11	CTCSS 103.5Hz	C103.5	NAC 00D
	CTCSS 107.2Hz	TONE=C107.2	NAC 00E	NAC=E	NAC 00E	E	RAN 12	CTCSS 107.2Hz	C107.2	NAC 00E
	CTCSS 110.9Hz	TONE=C110.9	NAC 00F	NAC=F	NAC 00F	F	RAN 13	CTCSS 110.9Hz	C110.9	NAC 00F
	CTCSS 114.8Hz	TONE=C114.8	NAC 010	NAC=10	NAC 010	10	RAN 14	CTCSS 114.8Hz	C114.8	NAC 010
	CTCSS 118.8Hz	TONE=C118.8	NAC 011	NAC=11	NAC 011	11	RAN 15	CTCSS 118.8Hz	C118.8	NAC 011
	CTCSS 123.0Hz	TONE=C123.0	NAC 012	NAC=12	NAC 012	12	RAN 16	CTCSS 123.0Hz	C123.0	NAC 012
	CTCSS 127.3Hz	TONE=C127.3	:	:	:	:	RAN 17	CTCSS 127.3Hz	C127.3	:
	CTCSS 131.8Hz	TONE=C131.8	:	:	:	:	RAN 18	CTCSS 131.8Hz	C131.8	:
	CTCSS 136.5Hz	TONE=C136.5	:	:	:	:	RAN 19	CTCSS 136.5Hz	C136.5	:
	CTCSS 141.3Hz	TONE=C141.3	NAC FFF	NAC=FFF	NAC FFF	FFF	RAN 20	CTCSS 141.3Hz	C141.3	NAC FFF
	CTCSS 146.2Hz	TONE=C146.2	Color Code 0	ColorCode=0			RAN 21	CTCSS 146.2Hz	C146.2	Color Code 0
	CTCSS 151.4Hz	TONE=C151.4	Color Code 1	ColorCode=1			RAN 22	CTCSS 151.4Hz	C151.4	Color Code 1
	CTCSS 156.7Hz	TONE=C156.7	Color Code 2	ColorCode=2			RAN 23	CTCSS 156.7Hz	C156.7	Color Code 2
	CTCSS 159.8Hz	TONE=C159.8	Color Code 3	ColorCode=3			RAN 24	CTCSS 159.8Hz	C159.8	Color Code 3
	CTCSS 162.2Hz	TONE=C162.2	Color Code 4	ColorCode=4			RAN 25	CTCSS 162.2Hz	C162.2	Color Code 4
	CTCSS 165.5Hz	TONE=C165.5	Color Code 5	ColorCode=5			RAN 26	CTCSS 165.5Hz	C165.5	Color Code 5
	CTCSS 167.9Hz	TONE=C167.9	Color Code 6	ColorCode=6			RAN 27	CTCSS 167.9Hz	C167.9	Color Code 6
	CTCSS 171.3Hz	TONE=C171.3	Color Code 7	ColorCode=7			RAN 28	CTCSS 171.3Hz	C171.3	Color Code 7
	CTCSS 173.8Hz	TONE=C173.8	Color Code 8	ColorCode=8			RAN 29	CTCSS 173.8Hz	C173.8	Color Code 8
	CTCSS 177.3Hz	TONE=C177.3	Color Code 9	ColorCode=9			RAN 30	CTCSS 177.3Hz	C177.3	Color Code 9
	CTCSS 179.9Hz	TONE=C179.9	Color Code 10	ColorCode=10			RAN 31	CTCSS 179.9Hz	C179.9	Color Code 10
	CTCSS 183.5Hz	TONE=C183.5	Color Code 11	ColorCode=11			RAN 32	CTCSS 183.5Hz	C183.5	Color Code 11
	CTCSS 186.2Hz	TONE=C186.2	Color Code 12	ColorCode=12			RAN 33	CTCSS 186.2Hz	C186.2	Color Code 12
	CTCSS 189.9Hz	TONE=C189.9	Color Code 13	ColorCode=13			RAN 34	CTCSS 189.9Hz	C189.9	Color Code 13
	CTCSS 192.8Hz	TONE=C192.8	Color Code 14	ColorCode=14			RAN 35	CTCSS 192.8Hz	C192.8	Color Code 14
	CTCSS 196.6Hz	TONE=C196.6	Color Code 15	ColorCode=15			RAN 36	CTCSS 196.6Hz	C196.6	Color Code 15
	CTCSS 199.5Hz	TONE=C199.5	:	:			RAN 37	CTCSS 199.5Hz	C199.5	:
	CTCSS 203.5Hz	TONE=C203.5	:	:			RAN 38	CTCSS 203.5Hz	C203.5	:
	CTCSS 206.5Hz	TONE=C206.5	:	:			RAN 39	CTCSS 206.5Hz	C206.5	:
	CTCSS 210.7Hz	TONE=C210.7	RAN 0	RAN=0			RAN 40	CTCSS 210.7Hz	C210.7	RAN 0
	CTCSS 218.1Hz	TONE=C218.1	RAN 1	RAN=1			RAN 41	CTCSS 218.1Hz	C218.1	RAN 1
	CTCSS 225.7Hz	TONE=C225.7	RAN 2	RAN=2			RAN 42	CTCSS 225.7Hz	C225.7	RAN 2
	CTCSS 229.1Hz	TONE=C229.1	RAN 3	RAN=3			RAN 43	CTCSS 229.1Hz	C229.1	RAN 3
	CTCSS 233.6Hz	TONE=C233.6	RAN 4	RAN=4			RAN 44	CTCSS 233.6Hz	C233.6	RAN 4
	CTCSS 241.8Hz	TONE=C241.8	RAN 5	RAN=5			RAN 45	CTCSS 241.8Hz	C241.8	RAN 5
	CTCSS 250.3Hz	TONE=C250.3	RAN 6	RAN=6			RAN 46	CTCSS 250.3Hz	C250.3	RAN 6
	CTCSS 254.1Hz	TONE=C254.1	RAN 7	RAN=7			RAN 47	CTCSS 254.1Hz	C254.1	RAN 7
	DCS 006	TONE=D006	RAN 8	RAN=8			RAN 48	DCS 006	TONE=D006	RAN 8
	DCS 007	TONE=D007	RAN 9	RAN=9			RAN 49	DCS 007	TONE=D007	RAN 9
	DCS 015	TONE=D015	RAN 10	RAN=10			RAN 50	DCS 015	TONE=D015	RAN 10
	DCS 017	TONE=D017	RAN 11	RAN=11			RAN 51	DCS 017	TONE=D017	RAN 11
	DCS 021	TONE=D021	RAN 12	RAN=12			RAN 52	DCS 021	TONE=D021	RAN 12
	DCS 023	TONE=D023	RAN 13	RAN=13			RAN 53	DCS 023	D023	RAN 13
	DCS 025	TONE=D025	RAN 14	RAN=14			RAN 54	DCS 025	D025	RAN 14
	DCS 026	TONE=D026	RAN 15	RAN=15			RAN 55	DCS 026	D026	RAN 15
	DCS 031	TONE=D031	RAN 16	RAN=16			RAN 56	DCS 031	D031	RAN 16
	DCS 032	TONE=D032	RAN 17	RAN=17			RAN 57	DCS 032	D032	RAN 17
	DCS 036	TONE=D036	RAN 18	RAN=18			RAN 58	DCS 036	D036	RAN 18
	DCS 043	TONE=D043	RAN 19	RAN=19			RAN 59	DCS 043	D043	RAN 19
	DCS 047	TONE=D047	RAN 20	RAN=20			RAN 60	DCS 047	D047	RAN 20
	DCS 050	TONE=D050	RAN 21	RAN=21			RAN 61	DCS 050	TONE=D050	RAN 21
	DCS 051	TONE=D051	RAN 22	RAN=22			RAN 62	DCS 051	D051	RAN 22
	DCS 053	TONE=D053	RAN 23	RAN=23			RAN 63	DCS 053	D053	RAN 23
	DCS 054	TONE=D054	RAN 24	RAN=24				DCS 054	D054	RAN 24
	DCS 065	TONE=D065	RAN 25	RAN=25				DCS 065	D065	RAN 25
	DCS 071	TONE=D071	RAN 26	RAN=26				DCS 071	D071	RAN 26
	DCS 072	TONE=D072	RAN 27	RAN=27				DCS 072	D072	RAN 27
	DCS 073	TONE=D073	RAN 28	RAN=28				DCS 073	D073	RAN 28
	DCS 074	TONE=D074	RAN 29	RAN=29				DCS 074	D074	RAN 29
	DCS 114	TONE=D114	RAN 30	RAN=30				DCS 114	D114	RAN 30
	DCS 115	TONE=D115	RAN 31	RAN=31				DCS 115	D115	RAN 31
	DCS 116	TONE=D116	RAN 32	RAN=32				DCS 116	D116	RAN 32
	DCS 122	TONE=D122	RAN 33	RAN=33				DCS 122	D122	RAN 33
	DCS 125	TONE=D125	RAN 34	RAN=34				DCS 125	D125	RAN 34
	DCS 131	TONE=D131	RAN 35	RAN=35				DCS 131	D131	RAN 35
	DCS 132	TONE=D132	RAN 36	RAN=36				DCS 132	D132	RAN 36
	DCS 134	TONE=D134	RAN 37	RAN=37				DCS 134	D134	RAN 37
	DCS 141	TONE=D141	RAN 38	RAN=38				DCS 141	TONE=D141	RAN 38
	DCS 143	TONE=D143	RAN 39	RAN=39				DCS 143	D143	RAN 39
	DCS 145	TONE=D145	RAN 40	RAN=40				DCS 145	D145	RAN 40
	DCS 152	TONE=D152	RAN 41	RAN=41				DCS 152	D152	RAN 41
	DCS 155	TONE=D155	RAN 42	RAN=42				DCS 155	D155	RAN 42
	DCS 156	TONE=D156	RAN 43	RAN=43				DCS 156	D156	RAN 43
	DCS 162	TONE=D162	RAN 44	RAN=44				DCS 162	D162	RAN 44
	DCS 165	TONE=D165	RAN 45	RAN=45				DCS 165	D165	RAN 45
	DCS 172	TONE=D172	RAN 46	RAN=46				DCS 172	D172	RAN 46
	DCS 174	TONE=D174	RAN 47	RAN=47				DCS 174	D174	RAN 47
	DCS 205	TONE=D205	RAN 48	RAN=48				DCS 205	D205	RAN 48
	DCS 212	TONE=D212	RAN 49	RAN=49				DCS 212	D212	RAN 49
	DCS 214	TONE=D214	RAN 50	RAN=50				DCS 214	TONE=D214	RAN 50
	DCS 223	TONE=D223	RAN 51	RAN=51				DCS 223	D223	RAN 51
	DCS 225	TONE=D225	RAN 52	RAN=52				DCS 225	D225	RAN 52
	DCS 226	TONE=D226	RAN 53	RAN=53				DCS 226	D226	RAN 53
	DCS 243	TONE=D243	RAN 54	RAN=54				DCS 243	D243	RAN 54
	DCS 244	TONE=D244	RAN 55	RAN=55				DCS 244	D244	RAN 55
	DCS 245	TONE=D245	RAN 56	RAN=56				DCS 245	D245	RAN 56
	DCS 246	TONE=D246	RAN 57	RAN=57				DCS 246	D246	RAN 57
	DCS 251	TONE=D251	RAN 58	RAN=58				DCS 251	D251	RAN 58
	DCS 252	TONE=D252	RAN 59	RAN=59				DCS 252	D252	RAN 59
	DCS 255	TONE=D255	RAN 60	RAN=60				DCS 255	D255	RAN 60

DCS 261	TONE=D261	RAN 61	RAN=61
DCS 263	TONE=D263	RAN 62	RAN=62
DCS 265	TONE=D265	RAN 63	RAN=63
DCS 266	TONE=D266	:	:
DCS 271	TONE=D271	:	:
DCS 274	TONE=D274	:	:
DCS 306	TONE=D306	Area 0	Area=0
DCS 311	TONE=D311	Area 1	Area=1
DCS 315	TONE=D315		
DCS 325	TONE=D325		
DCS 331	TONE=D331		
DCS 332	TONE=D332		
DCS 343	TONE=D343		
DCS 346	TONE=D346		
DCS 351	TONE=D351		
DCS 356	TONE=D356		
DCS 364	TONE=D364		
DCS 365	TONE=D365		
DCS 371	TONE=D371		
DCS 411	TONE=D411		
DCS 412	TONE=D412		
DCS 413	TONE=D413		
DCS 423	TONE=D423		
DCS 431	TONE=D431		
DCS 432	TONE=D432		
DCS 445	TONE=D445		
DCS 446	TONE=D446		
DCS 452	TONE=D452		
DCS 454	TONE=D454		
DCS 455	TONE=D455		
DCS 462	TONE=D462		
DCS 464	TONE=D464		
DCS 465	TONE=D465		
DCS 466	TONE=D466		
DCS 503	TONE=D503		
DCS 506	TONE=D506		
DCS 516	TONE=D516		
DCS 523	TONE=D523		
DCS 526	TONE=D526		
DCS 532	TONE=D532		
DCS 546	TONE=D546		
DCS 565	TONE=D565		
DCS 606	TONE=D606		
DCS 612	TONE=D612		
DCS 624	TONE=D624		
DCS 627	TONE=D627		
DCS 631	TONE=D631		
DCS 632	TONE=D632		
DCS 654	TONE=D654		
DCS 662	TONE=D662		
DCS 664	TONE=D664		
DCS 703	TONE=D703		
DCS 712	TONE=D712		
DCS 723	TONE=D723		
DCS 731	TONE=D731		
DCS 732	TONE=D732		
DCS 734	TONE=D734		
DCS 743	TONE=D743		
DCS 754	TONE=D754		

Note :

Discovery Detail/Summary

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

(Digital, Always exists NAC or RAN or Area code.)

Note : Tone L/O

“,L/O” is appended after ctcss/dcs

When channel is set Tone L/O
setting.

Ex.

DCS 261	D261	RAN 61	RAN61
DCS 263	D263	RAN 62	RAN62
DCS 265	D265	RAN 63	RAN63
DCS 266	D266	:	:
DCS 271	D271	:	:
DCS 274	D274	:	:
DCS 306	D306	Area 0	Area0
DCS 311	D311	Area 1	Area1
DCS 315	D315		
DCS 325	D325		
DCS 331	D331		
DCS 332	D332		
DCS 343	D343		
DCS 346	D346		
DCS 351	D351		
DCS 356	D356		
DCS 364	D364		
DCS 365	D365		
DCS 371	D371		
DCS 411	D411		
DCS 412	D412		
DCS 413	D413		
DCS 423	D423		
DCS 431	D431		
DCS 432	D432		
DCS 445	D445		
DCS 446	D446		
DCS 452	D452		
DCS 454	D454		
DCS 455	D455		
DCS 462	D462		
DCS 464	D464		
DCS 465	D465		
DCS 466	D466		
DCS 503	D503		
DCS 506	D506		
DCS 516	D516		
DCS 523	D523		
DCS 526	D526		
DCS 532	D532		
DCS 546	D546		
DCS 565	D565		
DCS 606	D606		
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		

IN or Area code.

Text/Back Color

color name	File
Aliceblue	eff7ff
Antiquewhite	f7ebd6
Aqua	00fbf7
Aquamarine	7bfce
Azure	efffff
Beige	eff3d6
Bisque	ffe3bd
Black	000000
Blanchedalmond	ffebc6
Blue	0000ff
Blueviolet	8429de
Brass	b5a542
Brown	a52929
Burlywood	d6b584
Cadetblue	5a9c9c
Chartreuse	7bf00
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
Goldenrod	d6a118
Gray	7b7f7b
Green	007f00
Greenyellow	adff29
Honeydew	efffef
Hotpink	ff67ad
Indianred	c65a5a
Indigo	4a007b
Ivory	ffffef
Khaki	efe38c
Lavender	dee3f7
Lavenderblush	ffefef
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	0000c6
Mediumorchid	b556ce
Mediumpurple	8c6fd6
Mediumseagreen	39b16b
Mediumslateblue	7367e7
Mediumspringgreen	00f794
Mediumturquoise	42cec6
Mediumvioletred	c61484
Midnightblue	18186b
Mintcream	effff7
Mistyrose	ffe3de
Moccasin	ffe3b5
Navajowhite	ffdaad

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

Large area option

Item	File
(Empty)	Empty
Battery Voltage	BattVoltage
CTCSS/DCS/NAC	CTCSS/DCS
Digital Error Count	D_ErrorCount
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

Icon area option

Item	File
(Empty)	Empty
Broadcast SCR	
Close Call CC	
GPS	GPS
IF Exchange IFX	
Modulation Modulation	
P-channel P_Ch	
Priority ScPRI	
REC	REC
Repeater I REP	
Volume Of LVL	
WX Priorit WxPRI	

Navy	00007b
Oldlace	f7f3de
Olive	7b7f00
Olivedrab	6b8c21
Orange	ffa100
Orangered	ff4600
Orchid	d66fd6
Palegoldenrod	e7e7a5
Palegreen	94fb94
Paleturquoise	adebe7
Palevioletred	d66f8c
Papayawhip	ffe7ce
Peachpuff	ffdab9
Peru	c88039
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	ffff7f
Springgreen	00ff7b
Steelblue	4280ad
Tan	ceb18c
Teal	007f7b
Thistle	d6bddd
Tomato	ff6342
Turquoise	39dece
Violet	e780e7
Wheat	efdaad
White	ffffff
Whitesmoke	eff3ef
Yellow	ffff00
Yellowgreen	94ca31

