UNIDEN PROGRAMMING CONTROL CODES
FOR USE WITH UNIDEN SCANNERS

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1.1.REMOTE COMMAND(VER1.02)

【Remote Communication Format】

BPS rate	:2400/4800/9600/19200bps(default :9600bps)
Start/Stop bit	:1bit,1bit
Data Length	:8bit
Parity Check	:None
Code	:ASCII
Flow Control	:None
Return Code	:Carriage Return only

*1 In case of controlling with program,
insert waiting time between commands.
*2 On Bit rate establishment mode,all
commands are invalid.

【FORMAT OF THIS DOCUMENT】

<COMMAND NAME>
Summary explanation of the function of the command

Controller → Radio
Command format
Radio → Controller
Response format

※ Error message isn't described in this document,
but the unit sends error message to the controller as follows.
1)Command format error / Value error : "ERR<cr>"
2)The command is invalid at the time : "NG<cr>"
3)Flaming error : "FER<cr>"
4)Overrun error : "ORER<cr>"
※"<cr>" means "to hit the return key" or "to send the return code".
※ The bank number(1-10) assign to A-J.
※ The list number(1-10) assign to A-J.

<COMMAND AC>

Clear(Initialize) all memory.

Controller → Radio

"AC<cr>"　　※"<cr>" means "to hit the return key"
or "to send the return code".

Radio → Controller

"OK<cr>" / "NG<cr>"

This command instructs the unit to clear all the memories.
All the memories are set for initial setting
This command is valid at any time.

Note)There needs about 5seconds execute time.
Start from Channel Scanning(start channel:ch1) by initial setting.

<COMMAND AF>

Confirm/Set EDACS ID format change.(AFS[Agency,Fleet,Subfleet] to DECIMAL)

Controller → Radio

① "AF<cr>"　　:Confirm AFS ID format.
② "AFN<cr>"　　:AFS change to DECIMAL ON
"AFF<cr>"　　:AFS change to DECIMAL OFF

Radio → Controller

① "AFN<cr>"　　:AFS change to DECIMAL ON
"AFF<cr>"　　:AFS change to DECIMAL OFF
"NG<cr>"
② "OK<cr>"

This command instructs the unit to turn or confirm AFS ID format.
This command acceptable is at EDACS mode.

<COMMAND AL>

Confirm/Set Auto Light function ON/OFF .

Controller → Radio

① "AL<cr>"　　:Confirm Frequency Identification function ON/OFF
② "ALN<cr>"　　:Auto Light function ON
"ALF<cr>"　　:Auto Light function OFF

Radio → Controller
① "ALN<cr>" :Auto Light ON / "ALF<cr>" : Auto Light OFF
② "OK<cr>"

This command instructs the unit to turn or confirm Auto Light function ON/OFF.

<COMMAND AT>
Confirm/Set ATT function ON/OFF .

Controller → Radio
① "AT<cr>" :Confirm ATT function ON/OFF
② "ATN<cr>" :ATT ON / "ATF<cr>" :ATT OFF

Radio → Controller
① "ATN<cr>" :ATT ON / "ATF<cr>" :ATT OFF
② "OK<cr>" / "NG<cr>"

This command instructs the unit to turn or confirm ATT function ON/OFF.

<COMMAND BT>
Confirm/Set S-BIT function ON/OFF .

Controller → Radio
① "BT<cr>" :Confirm S-BIT function ON/OFF
② "BTN<cr>" :S-BIT ON
"BTF<cr>" :S-BIT OFF

Radio → Controller
① "BTN<cr>" :S-BIT ON
"BTF<cr>" :S-BIT OFF
"NG<cr>"
② "OK<cr>"
"NG<cr>"

This command instructs the unit to turn or confirm S-BIT function ON/OFF.
This command is acceptable at MOTOROLA mode.

<COMMAND DL>
Confirm/Set DELAY function ON/OFF.

Controller → Radio
① "DL<cr>" :Confirm DELAY function ON/OFF

② "DLN<cr>"　　:delay ON
"DLF<cr>"　　: delay OFF

Radio → Controller
① "DLN<cr>" : delay ON
"DLF<cr>" :delay OFF
"NG<cr>"
② "OK<cr>"
"NG<cr>"

This command instructs the unit to turn or confirm DELAY function ON/OFF.
This command is acceptable at conventional / trunking mode. ただし、scan modeの時は、scan stopしている場合に限る。

<COMMAND DS>
Confirm/Set DATA SKIP function ON/OFF .

Controller → Radio
① "DS<cr>"　　:Confirm DATA SKIP function ON/OFF
② "DSN<cr>"　　:Data skip ON
"DSF<cr>"　　:Data skip OFF

Radio → Controller
① "DSN<cr>"　　:Data skip ON
"DSF<cr>"　　:Data skip OFF
"NG<cr>"
② "OK<cr>" / "NG<cr>"

This command instructs the unit to turn or confirm DATA SKIP function ON/OFF.
This command is acceptable at conventional mode, except manual mode.

<COMMAND FB>
Program fleet block on scanner.

Controller → Radio
"FB & # %%<cr>"
&　　A-J Identifies the bank for this fleet block.
#　　0-7 Identifies the fleetmap block number.
%%　　00-14 Block size indicator.
Radio → Controller
"OK<cr>" / "NG<cr>"

This command is acceptable at conventional mode.

<COMMAND FI>

Confirm/Set Frequency Identification function ON/OFF .

Controller → Radio

① "FI<cr>" :Confirm Frequency Identification function ON/OFF

② "FIN<cr>" :Frequency Identification ON

"FIF<cr>" :Frequency Identification OFF

Radio → Controller

① "FIN<cr>" :ON

"FIF<cr>" :OFF

② "OK<cr>" / "NG<cr>"

This command instructs the unit to turn or confirm Frequency Identification function ON/OFF.

This command is acceptable at conventional / trunking mode.

<COMMAND IC>

Confirm/Move/Program ID memory number.

Controller → Radio

① Confirm

"IC<cr>"

② Move ID memory

"IC @%<cr>" @:ID Scan List

%:ID Location

"0"is used to indicate "ID Location 10".

Example:

"IC A0<cr>"

Set ID memory number to "ID Scan List A" and "ID Location 10".

③ Program Talk Group ID

·TYPE 1

"IC @% &##-$$<cr>" @ :ID Scan List

or "IC @% &###-$<cr>" % :ID Location

& :Block No.

:Fleet No.

$$:Sub Fleet No.

Example:

"IC A0 001-05<cr>" ID in ID memory "A10" is "BLOCK=0,FLEET=1,SUB FLEET=5".

・TYPE 2
"IC @% ######<cr>"　　@　:ID Scan List
%　:ID Location
######:ID

Example:
"IC A0 001234<cr>" ID in ID memory "A10" is "1234".

・EDACS　　"IC @% &&-##$<cr>"　　@　:ID Scan List
%　:ID Location
&& :Agency No.
:Fleet No.
$　:Sub Fleet No.

Example:
"IC A0 01-025<cr>"　AFS format
"IC A0 000149<cr>"　DECIMAL format
ID in ID memory "A10" is "AGENCY=01,FLEET=02,SUB FLEET=5"

Radio → Controller
①,②
・TYPE 1　　"IC @% &##-$$<cr>"　@　:ID Scan List
or　　"IC @% &###-$<cr>"　%　:ID Location
&　:Block No.
:Fleet No.
$$:Sub Fleet No.

Example:
"IC A0 001-05<cr>"　ID in ID memory "A10" is
"BLOCK=0,FLEET=1,SUB FLEET=5".

・TYPE 2　　"IC @% ######<cr>"　　@　:ID Scan List
%　:ID Location
######:ID

Example:
"IC A0 001234<cr>" ID in ID memory "A10" is "1234".

・EDACS　　"IC @% &&-##$<cr>"　　@　:ID Scan List
%　:ID Location
&& :Agency No.
:Fleet No.
$　:Sub Fleet No.

Example:
"IC A0 01-025<cr>"　ID in ID memory "A10" is
"AGENCY=01,FLEET=02,SUB FLEET=5"

③"OK<cr>" / "NG<cr>"

This command is acceptable at trunking mode.
This command (confirm) is acceptable at ID scan(stop), ID manual mode.

<COMMAND ID>

ON/OFF function which informs when ID reception starts or ends.

Controller → Radio

① "ID<cr>" :confirm "ID"command active

② "IDN<cr>" :"ID" command ON

"IDF<cr>" :"ID" command OFF

Radio → Controller

①"IDN<cr>" :"ID" command ON

"IDF<cr>" :"ID" command OFF

②"OK<cr>"

While the function is ON,when the ID reception starts or ends , the unit sends back as follows:

(1)ID reception starts

·TYPE 1

"ID S &##-$$<cr>" & :Block No.

or "ID S &###-$<cr>" ###:Fleet No.

$$:Sub Fleet No.

Example:

"ID S 001-03<cr>" ID reception starts on "Block=0、FLEET=1,SUB FLEET=3".

·TYPE 2

"ID S @@@@@@<cr>" @@@@@@:ID

Example:

"ID S 001234<cr>" ID reception starts on "ID=1234".

·EDACS

"ID S &&-##$<cr>" && :Agency No.

:Fleet No.

$:Sub Fleet No.

Example:

"ID S 01-025<cr>" AFS format

"ID S 000149<cr>" DECIMAL format

(2)ID reception ends
・TYPE 1
"ID E &##-$$<cr>" & :Block No.
"ID E &###-$<cr>" ## :Fleet No.
$$:Sub Fleet No.
・TYPE 2
"ID E @@@@@@<cr>" @@@@@@:ID

・EDACS
"ID E &&-##$<cr>" && :Agency No.
:Fleet No.
$:Sub Fleet No.

This command instructs the unit to turn the function ON/OFF.
While the function is ON,the unit is monitoring the status of the ID reception and informs when it starts or ends.
This command is acceptable at conventional / trunking mode.

<COMMAND IL>
Read L/O ID memory.
Register an ID into L/O ID memory.
Delete an ID from L/O ID memory.

Controller → Radio
① Read
"IL###<cr>" ###:lockout memory no(001-100)
② Register

・TYPE 1
"ILR &##-$$<cr>" & :Block No.
"ILR &###-$<cr>" ## :Fleet No.
$$:Sub Fleet No.
・TYPE 2
"ILR @@@@@@<cr>" @@@@@@:ID

・EDACS
"ILR &&-##$<cr>" && :Agency No.
:Fleet No.
$:Sub Fleet No.
③ Delete
・TYPE 1
"ILD &##-$$<cr>" & :Block No.
"ILD &###-$<cr>" ##:Fleet No.
$$:Sub Fleet No.

·TYPE 2
"ILD @@@@@@<cr>" @@@@@@:ID

·EDACS
"ILD &&-##$<cr>" && :Agency No.
:Fleet No.
$:Sub Fleet No.

Radio → Controller
① Read
(1)TYPE 1
"IL &@@-%%<cr> & :Block No.
@@:Fleet No.
%%:Sub Fleet No.
Example: "IL 001-05<cr>

(2)TYPE 2
"IL @@@@@@<cr>

Example: "IL 001234<cr>"

(3)EDACS
"IL &&-##$<cr>" && :Agency No.
:Fleet No.
$:Sub Fleet No.
Example: "IL 01-025<cr>" AFS format
"IL 000149<cr>" DECIMAL format

② Register
If the ID is registered into L/O ID memory,the unit sends "OK<cr>" to the controller.
If the ID is already in L/O ID memory,sends "ON<cr>".
If L/O ID memory is full,sends "FULL<cr>".

③ Delete
If the ID is deleted from L/O ID memory,the unit sends "OK<cr>" to the controller. If the ID isn't in L/O ID memory,sends "OFF<cr>".

This command is acceptable at trunking mode.

注意
READ 時、現在の BANK 以外で LOCKOUT 設定された ID も表示出来る。 この ID を削除するには、登録した BANK へ移動する必要がある。

<COMMAND IS>
Confirm/Select ID scan lists.

Controller → Radio
① "IS<cr> :confirm ID scan list name

② "IS @%〇･･･<cr>"　　@,%,〇,･･･ :ID scan list name

Example:

"IS ACE<cr>"　　Select "LIST A,LIST C,LIST E".

(LIST B,LIST D are not selected)

Radio → Controller

①、②

"IS @%〇･･･<cr>"　　@,%,〇,･･･ :ID scan list name

Example:

"IS ACE<cr>"　　Selected ID scan lists are"LIST A,C,E".

This command instructs the unit to make designated ID scan lists be selected.

This command is acceptable at trunking mode.

<COMMAND LO>

Confirm/Set LOCKOUT function ON/OFF.

Controller → Radio

① "LO<cr>"　　:Confirm LOCKOUT function ON/OFF

② "LON<cr>"　　:lockout ON

"LOF<cr>"　　:lockout OFF

Radio → Controller

① "LON<cr>"　　:lockout ON

"LOF<cr>"　　:lockout OFF

② "OK<cr>" / "NG<cr>"

This command instructs the unit to turn or confirm LOCKOUT function ON/OFF.

This command is acceptable at scan, manual mode.

This command (confirm) is acceptable at manual mode.

<COMMAND LL>

Confirm/Set lower edge frequency of LIMIT SEARCH.

Controller → Radio

① "LL<cr>"　　:Confirm lower edge frequency

② "LL@@@@@@@@<cr>"　　@@@@@@@@:Lower edge frequency

The order of the digits is from 1GHz digit to 100Hz digit.

Example:

"LL08510125<cr>" Set the lower edge frequency to "851.0125MHz".

Radio → Controller
① ② "LL@@@@@@@@<cr>"
The current lower edge frequency is @@@@@@@@*100Hz.

This command instructs the unit to set the lower edge frequency of limit search to @@@@@@@@*100Hz or confirm frequency.
This command is acceptable at conventional/trunking mode.

<COMMAND LU>
Confirm/Set upper edge frequency of LIMIT SEARCH.

Controller → Radio
① "LU<cr>" :Confirm upper edge frequency
② "LU@@@@@@@@<cr>" @@@@@@@@:upper edge frequency
The order of the digits is from 1GHz digit to 100Hz digit.

Example:
"LU09560000<cr>" Set the upper edge frequency to "956.0000MHz".

Radio → Controller
① ② "LU@@@@@@@@<cr>"
The current upper edge frequency is @@@@@@@@*100Hz.

This command instructs the unit to set the upper edge frequency to @@@@@@@@*100Hz or confirm frequency.
This command is acceptable at conventional/trunking mode.

<COMMAND LT>
Confirm/Set Back Light ON/OFF .

Controller → Radio
① "LT<cr>" :Confirm Back Light ON/OFF
② "LTN<cr>" :Back Light ON
"LTF<cr>" :Back Light OFF

Radio → Controller
① "LTN<cr>" :Back Light ON / "LTF<cr>" : Back Light OFF
② "OK<cr>" / "NG<cr>"

This command instructs the unit to turn or confirm Back Light ON/OFF.
This command is acceptable at conventional / trunking mode.

<COMMAND MA>
Confirm/Set channel number of MANUAL MODE.

Controller → Radio

① Confirm

"MA<cr>"

② Set

"MA@@@<cr>" @@@:channel number

Example:

"MA015<cr>" Set the channel number to "15".

Radio → Controller

①,②

"C@@@ F%%%%%%%% T# D# L# A# R# N$$ <cr>"

@@@ :channel number

%%%%%%%% :frequency

The order of the frequency digits are from

1GHz digit to 10Hz digit.

:"N"or"F"(ON/OFF)

ex)TN/TF:trunking frequency / conventional frequency

DN/DF:delay on/off

LN/LF:lockout on/off

AN/AF:attenuator on/off (not supported)

RN/RF:auto record function on/off(not supported)

$$:"ctcss tone number(not supported)

Example:

"C015 F04060125 TF DN LF AF N00<cr>"

The current channel number is "15",

and its conventional frequency is "406.0125MHz".

Delay function is ON, Lockout is OFF,

Attenuation is OFF

CTCSS is not supported.

This command is acceptable at conventional/trunking mode.

This command (confirm) is acceptable at scan mode (stop), manual mode.

<COMMAND MD>

Confirm the Scanner mode.

Controller → Radio

"MD<cr>"

Radio → Controller

"MD@@<cr>" @@:Current scanner mode number(See following Table)

This command instructs the unit to confirm the current scanner mode 。

This command is acceptable at conventional/trunking mode.

Scanner Mode
00:Scan mode
01:Manual mode
02:Limit Search mode
03:Limit Search Hold mode
04:Service Scan mode
05:Service Scan Hold mode
06:Program mode
07:Edacs Program mode
08:System Program mode
09:ID search mode
10:ID search hold mode
11:ID scan mode
12:ID manual mode
13:ID lockout review mode
14:Search control channel mode
15:Edacs ID search mode
16:Edacs ID search hold mode
17:Edacs ID scan mode
18:Edacs ID manual mode
19:Edacs ID lockout review mode
20:Edacs Search control channel mode
21:VFO mode

<COMMAND MU>
Confirm/Set status of speaker muting.

Controller → Radio
① "MU<cr>" :confirm MUTE control mode.
② "MU?<cr>" :confirm MUTE ON/OFF condition.
③ "MUN<cr>" :set MUTE ON(by force)mode.
"MUF<cr>" :set MUTE OFF(by force)mode.
"MUA<cr>" :set AUTO MUTE control mode.

① "MUN<cr>" :MUTE ON(by force)mode.
"MUF<cr>" :MUTE OFF(by force)mode.
"MUA<cr>" :AUTO MUTE control mode.
② "MU ON<cr>" :MUTE ON condition.
"MU OFF<cr>" :MUTE OFF condition.
③ "OK<cr>"

This command instructs the unit to set or confirm the status of speaker Muting.
This command is acceptable at conventional/trunking mode.

<COMMAND PC>

Confirm/Set priority channel number of a bank.

Controller → Radio

① Confirm

"PC @<cr>" @:bank

Example:

"PC A<cr>" Confirm the priority channel number of "bank A".

② Set

"PC @%%%<cr>" @:bank %%%:channel number

Example:

"PC A014<cr>" Set the priority channel number of "bank A" to "14".

Radio → Controller

①,②

"PC @%%%<cr>" @:bank %%%:channel number

Example:

"PC A014<cr>" The priority channel number of "bank A" is "14".

This command is acceptable at conventional/trunking mode.

<COMMAND PI>

Confirm/Set Priority Talk ID Memory Location

Controller → Radio

Confirm Priority ID location

①"PI @<cr>" @:ID list number

Example: "PI A<cr>" confirm priority Location of List "A" in current Trunk Bank

Set Priority ID location

②"PI @#<cr>" @:ID List number
#:ID location number

Example:

"PI A1<cr>" set priority to List "A", Location "1"

Radio → Controller

① "PI @# %%%%%%<cr>" @:ID List number
#:ID location number
%%%%%% :Talk Group ID

Example:
"PI A1 001234<cr>" Priority of List "A" is location"1" ID:001234

② "OK<cr>" / "NG<cr>"

This command is acceptable at trunking mode.

<COMMAND PM>

Read/write frequency of a channel.

Controller → Radio

① Read
"PM@@@<cr>" @@@:channel number

Example:
"PM014<cr>" Read the frequency of"14CH".

② Write
"PM@@@ %%%%%%%%<cr>" @@@ :channel number
%%%%%%%% :frequency

The order of the frequency digits are from 1GHz digit to 100Hz digit.

Example:
"PM014 04060125<cr>" Set the frequency of "14CH" to "406.0125MHz".

Radio → Controller

①,②
"C@@@ F%%%%%%%% T# D# L# A# R# N$$ <cr>"

@@@ :channel number
%%%%%%%% :frequency

:"N"or"F"(ON/OFF)

ex)TN/TF:trunking / conventional frequency
DN/DF:delay on/off LN/LF:lockout on/off
AN/AF:attenuator on/off (not supported)
RN/RF:auto record function on/off(not supported)
$$:"ctcss tone number(not supported)

Example:
"C015 F04060125 TF DN LF AF N00<cr>"
CH.No :"CH15",
Frequency :"406.0125MHz"(conventional)
Delay :ON
Lockout :OFF
Attenuator:OFF (not supported)

Auto Record: OFF(not supported)
CTCSS :00.0HZ. (not supported)

This command is acceptable at conventional/trunking mode.

<COMMAND PR>
Confirm/Set PRIORITY function ON/OFF .

Controller → Radio
① "PR<cr>" :confirm priority function on/off
② "PRN<cr>":set priority function
"PRF<cr>":priority function OFF

Radio → Controller
① "PRN<cr>" priority :ON
"PRF<cr>" priority :OFF
② "OK<cr>"/"NG<cr>"

This command instructs the unit to turn or confirm PRIORITY function ON/OFF.
This command is acceptable at scan, manual, id scan, id manual mode.

<COMMAND QU>
ON/OFF function which informs when squelch condition changes.

Controller → Radio
①"QU<cr>" :confirm "QU" command active
②"QUN<cr>" :"QU" command ON
"QUF<cr>" :"QU" command OFF

Radio → Controller
①"QUN<cr>" :"QU" command ON
"QUF<cr>" :"QU" command OFF
②"OK<cr>" / "NG<cr>"

While the function is ON, if the squelch condition becomes
・close to open, unit sends "+<cr>" to the controller.
・open to close, unit sends "-<cr>" to the controller.

This command instructs the unit to turn the function ON/OFF.
While the function is ON,the unit is monitoring the squelch condition and informs when it changes.
This command is acceptable at conventional/trunking mode.

<COMMAND RF>

Confirm/Tune the commanded frequency.

Controller → Radio

① "RF@@@@@@@@(?)<cr>" @@@@@@@@: tune frequency
The order of the digits are from 1GHz digit to 100Hz digit.

Example:
"RF04060125<cr>" tuned receiver to 406.0125MHz

if you wish to confirm the tuned frequency for this command response, a "?" code add after the commanded frequency.

②"RF<cr>" :confirm tuned frequency

Radio → Controller

①"OK<cr>"/"NG<cr>" or " RF@@@@@@@@<cr>"

② "RF@@@@@@@@<cr>"

This command can be instantly tuned to a commanded frequency .
Scanner mode is VFO mode.
This command is acceptable at manual, VFO mode.

<COMMAND RI>

ON/OFF function which informs when priority receiving condition changes.

Controller → Radio

①"RI<cr>" :confirm "RI" command active

②"RIN<cr>" (ON) / "RIF<cr>"(OFF)

Radio → Controller

①"RIN<cr>"(ON) / "RIF<cr>"(OFF)

②"OK<cr>"

While the function is ON,
・if the unit stops on the priority channel by priority receiving, sends "PST<cr>" to the controller.
・if the unit returns from the priority channel, sends "PRT<cr>" to the controller.

This command instructs the unit to turn the function ON/OFF.
While the function is ON,the unit is monitoring the priority receiving condition and informs when it changes.
This command is acceptable at conventional/trunking mode.

<COMMAND RM>

Confirm Receiver modulation .

Controller → Radio
"RM<cr>"
Radio → Controller
"RM @@@<cr>" @@@:Current Receiver modulation

ex)"RM AM<cr>" AM
"RM NFM<cr>" narrow band FM
"RM WFM<cr>" wide band FM(not supported)

This command instructs the unit to confirm receiver modulation.
This command is acceptable at conventional/trunking mode.

<COMMAND RG>
Confirm /Set EDACS ID Range mode.

Controller → Radio
Confirm ID Range mode
① "RG<cr>"

Set ID Range mode
② "RG @@@<cr>" @@@:Edacs id (Agency)
"RG @@@@@<cr>" @@@@@:Edacs id (Agency, Fleet)

Example: "RG 01-<cr>" or "RG 01-01<cr>"

Radio → Controller
① "RGN<cr>" : Range mode ON
"RGF<cr>" : Range mode OFF

② "OK<cr>" / "NG<cr>"

This command is acceptable at conventional / trunking mode.
This command (confirm) is acceptable at EDACS mode.

<COMMAND SB>
Confirm/Select scan banks.

Controller → Radio
①"SB<cr>" :confirm scan banks
②"SB @%○･･･<cr>" @,%,○,･･･ :bank name

Example:
"SB ACEGI<cr>" Select "BANK A,C,E,G,I".

Radio → Controller
①、② "SB @%○･･･<cr>" @,%,○,･･･ :bank name

Example:
"SB ACEGI<cr>" Selected scan banks are "BANK A,C,E,G,I".

This command instructs the unit to make designated scan banks be selected.
This command is acceptable at conventional / trunking mode.

<COMMAND SI>
Confirm Scanner Information

Controller → Radio
"SI<cr>"

Radio → Controller
"SI @@@@@@@@,%%%%%%%%%%,&&&&<cr>"
@@@@@@@@@@ :Alphanumeric model name/number.
%%%%%%%%%% :Alphanumeric ESN number.
&&& :Remote Command Version.

Example:
SI BC245XLT,1000000001,102
This is the information string sent by the scanner to PC
This command is acceptable at conventional / trunking mode.

<COMMAND SQ>
Confirm squelch condition.

Controller → Radio
"SQ<cr>"

Radio → Controller
"+<cr>" : Now squelch is OPEN.
"-<cr>" : Now squelch is CLOSE.
This command instructs the unit to send whether the squelch is OPEN or CLOSE.
This command is acceptable at conventional / trunking mode.

<COMMAND SS>
Read a frequency in search skip memory.
Register a frequency into search skip memory.

Controller → Radio

① Read

"SS##" ##:search skip memory number(01-50)

② Register

"SS@@@@@@@@<cr>" @@@@@@@@:frequency

The order of the digits are from 1GHz digit to 100Hz digit.

Example:

"SS04060125<cr>" Register 406.0125MHz into search skip memory.

Radio → Controller

① Read

"SS@@@@@@@@<cr>

Example:

"SS04060125<cr>

Frequencies in search skip memory are "406.0125MHz"

② Register

"SS@@@@@@@@<cr>" @@@@@@@@:frequency

Example:

"SS04060125<cr>" 406.0125MHz is registered.

※ If the frequency is already in search skip memory,
the unit sends "ON<cr>" to the controller.

This command instructs the unit

①to send a frequencies in search skip memory.

②to register a frequency into search skip memory.

<COMMAND TB>

Confirm Active Trunking bank

Controller → Radio

"TB<cr>"

Radio → Controller

"TB # @@@@@<cr>"

#: Active Trunking Bank

@@@@: Trunking Type

E2-800(Motorola Type2 800MHz)
E2-900(Motorola Type2 900MHz)
E2-VHI(Motorola Type2 VHI)
E2-UHF(Motorola Type2 UHF)
TYPE1 (Motorola Type1)
EDACS (EDACS)

Example: "TB A E2-800<cr>"
Active Bank: "A" Trunk Type: MOTOROLA TYPE2 800MHz

"NG<cr>"

This command is acceptable at trunking mode.

<COMMAND TD>
Confirm/Set Tone Detection function ON/OFF .

Controller → Radio
① "TD<cr>" :Confirm Tone Detection function ON/OFF
"TDN<cr>" :Tone Detection function ON
"TDF<cr>" :Tone Detection function OFF

Radio → Controller
① "TDN<cr>" :Tone Detection function ON
"TDF<cr>" :Tone Detection function OFF
② "OK<cr>" / "NG<cr>"

This command instructs the unit to turn or confirm Tone Detection function ON/OFF.
This command is acceptable at conventional/trunking mode.

<COMMAND TG>
Program Talk Group ID

Controller → Radio
·TYPE 1
"TG * @% &##-$$<cr>" * :Bank No
or "TG * @% &###-$<cr>" @ :ID Scan List
% :ID Location
& :Block No.
:Fleet No.
$$:Sub Fleet No.
Example:
"TG A A0 001-05<cr> "ID in ID memory "A10" of BANK A is "BLOCK=0,FLEET=1,SUB FLEET=5".
·TYPE 2
"TG * @% ######<cr>" @ :ID Scan List
% :ID Location
######:ID

Example:
"TG A A0 001234<cr>"
ID in ID memory "A10" of BANK A is "1234".

·EDACS "TG * @% &&-##$<cr>" * :Bank No
@ :ID Scan List
% :ID Location
&& :Agency No.
:Fleet No.
$:Sub Fleet No.

Example:
"TG A A0 01-025<cr>" AFS format
"TG A A0 000149<cr>" DECIMAL format
ID in ID memory "A10" of BANK "A" is
"AGENCY=01,FLEET=02,SUB FLEET=5"

Radio → Controller
"OK<cr>" / "NG<cr>"

This command is acceptable at conventional mode.

<COMMAND TR>
Set Trunking on a bank of channels.

Controller → Radio
"TR & # %%%%%%%% $$$$<cr>"
& A-J For bank selection.
# 1,2,3,4,5,6 Trunking type (Motorola and Edcas).
1:Type1, 2:Type2-800, 3:Type2-900, 4:Type2-UHF,
5:Type2-VHF 6:EDACS
%%%%%%%%
Base frequency (Motorola UHF/VHF band only).
$$$$
Offset step (Motorola UHF/VHF band only).
VHF:0005*n(1-20), UHF:0125*n(1-8)

Radio → Controller
"OK<cr>" / "NG<cr>"

This command is acceptable at conventional mode.

<COMMAND VR>
Confirm the version of Model version no.

Controller → Radio
"VR<cr>"

Radio → Controller
"VR@ .@@<cr>" @ .@@ : The version of CPU
Example:
"VR1.01<cr>" The version of Model is 1.01 .

This command is acceptable at conventional/trunking mode.

<COMMAND WI>
Read the window voltage.

Controller → Radio
"WI<cr>"

Radio → Controller
"W@@@ F%%%%%%%%<cr>" @@@ :window voltage
%%%%%%%% :frequency
Window voltage ranges from a minimum value of "000" to a maximum value of "255". The order of the frequency digits are from 1GHz digit to 10Hz digit.

Example:
"W155 F04060125<cr>" Window voltage is "155", and its frequency is "406.0125MHz".

This command instructs the unit to send the current window voltage and its frequency.
This command is acceptable at conventional/trunking mode.

<COMMAND KEY>

Work as if a key were pushed.

Controller → Radio
"KEY○○<cr>" ○○:KEY Emulate Code (see Following Table)

* To indicate "Hold Press" of each key, add "H" to each command.

Example:
"KEY06H<cr>"
This command is used instead of hold press of "[L/O]" key.
"KEY02 6<cr>"
This command is used instead of press of “[6]“ key.

Radio → Controller

"OK<cr>"

* When use [REMOTE] key, no response from the unit because this key makes the unit be out of REMOTE MODE. These commands instruct the unit to be have as if a key on the scanner's front panel were pushed.
* This command is acceptable at conventional/trunking mode.
* キーが無効の場合でも、応答はOKとなる。

Key Emulate Code:

KEY00 [SCAN]
KEY01 [MAN]
KEY02 [0]-[9]
KEY03 [･/ATT]
KEY04 [E/REMOTE]
KEY05 [PRI/TURBO]
KEY06 [L/O]
KEY07 [HOLD/△]
KEY08 [LIMIT/▽]
KEY09 [SRCH]
KEY10 [SVC]
KEY11 [DATA]
KEY12 [DLY/KEYLOCK]
KEY13 [TRNK]
KEY14 [LIGHT]