

HandyPort Usage

How to use the extended command set

Application Note

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1. Using the Extended Command Set

This document contains a description on how to use the extended command set.

1.1. Operation Modes

There are two operation modes for HandyPort and HandyCore. One is a normal mode that is a default setting and you cannot execute a command in this mode when a HandyPort or a HandyCore is engaged in a connection with another one. The other is a mode for the extended command set. You can execute a command with the escape mode sequence in this mode when a HandyPort or a HandyCore is engaged in a connection. You can switch the operation mode using a command for changing the operation mode.

Table 1 Operation Modes for HandyPort and HandyCore

Items	Default	Extended Command Mode
HPS-120	1B43	1742 or 1342 (Verbose Mode)
HPS-110	0B23	0722 or 1322 (Verbose Mode)
HCS-100	0707	0706

1.2. Commands for Changing the Operation Mode

If you want to use the extended command set, you have to change the operation mode. You can use a command "LR" for reading the status of operation mode for HPS-120 and HPS-110. And you can use a command "AT+ZLR": for HCS-100. To change the operation mode, you can use a command "LW<operation mode: 4 hexadecimal-digit><CR>" for HPS-120 and HPS-110. And you can use a command "AT+ZLW< operation mode: 4 hexadecimal-digit ><CR>" for HCS-100.

Table 2 Commands for Operation Mode

Items	HPS-120 / HPS-110	HCS-100
Read	LR	AT+ZLR
Change	LW<operation mode><CR>	AT+ZLW<operation mode><CR>

Warning

If you change the operation mode improperly, your HandyPort or HandyCore will not be working. Therefore, you have to understand fully about the operation mode before changing it.

1.3. Changing the Operation Mode for HPS-120 and HPS-110

Step 1: Connect an HPS-120 (or HPS-110) to a COM port of PC and execute a HyperTerminal (You should set COM port properly.).

Step 2: Power it on.

Step 3: Push the RST (reset) button to enter the setting mode. And 5-sec. later, hit the enter key.

Step 4: Execute a command "LR" to verify the current settings.

Step 5: Execute a command "LW1742<CR>" for an HPS-120 (You can apply "LW0722<CR>" for an HPS-110).

Step 6. Execute a command "LR" to verify the changes.

Step 7. Execute a command "X" to apply the changes.

Remarks: After that, the reset button will not be worked. Actually, you don't need to push the reset button to enter the setting mode. But you shall use an "AT+Z" command sequence. For an example, you shall use "AT+ZV" instead of "V". Please refer to the manual of extended command set for further information.

1.4. Changing the Operation Mode for HCS-100

Step 1: Connect an HCS-100 to a COM port of PC with a JIG and execute a HyperTerminal (You should set COM port properly.).

Step 2: Power it on.

Step 3: Execute a command "AT+ZLR" to verify the current settings.

Step 4: Execute a command "AT+ZLW0706<CR>"

Step 6. Execute a command "AT+ZLR" to verify the changes.

Step 7. Execute a command "AT+ZX" to apply the changes.

Remarks: To change the operation mode, the HCS-100 shall not be connected to other device.