

HandyPort Usage

How to use the extended command set

Application Note

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1. Using the Extended Command Set

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

1.1. Operation Modes

There are two operation modes for HandyPort. One is a button mode (default) and you cannot execute a command in this mode when a HandyPort is engaged in a connection with another one. The other is a no button mode or extended command mode. You can execute a command with the escape mode sequence in this mode when a HandyPort is engaged in a connection. You can change the operation mode using a command.

Table 1 Operation Modes

Items	Button Mode (Default)	No Button Mode (Extended Command Mode)
HPS-120	1B43	1742 or 1342 (Verbose Mode)
HPS-110	0B23	0722 or 1322 (Verbose Mode)

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 the button mode. And you can use a command "AT+ZLR" for the no button mode (extended command mode). To change the operation mode, you can use a command "LW<operation mode><CR>" for the button mode. And you can use a command "AT+ZLW< operation mode: 4 hexadecimal-digit><CR>" for the no button mode (extended command mode).

Table 2 Commands for Operation Mode

Items	Button Mode	No Button Mode (Extended Command Mode)
Read	LR	AT+ZLR
Change	LW<operation mode><CR>	AT+ZLW<operation mode><CR>

Warning

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

1.3. Changing the Operation Mode for the button mode

Step 1: Connect an HandyPort 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 the no button mode or extended command mode

Step 1: Connect an HandyPort to a COM port of PC 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+ZLW1B43<CR>". /* HPS-120 */

Step 5. Execute a command "AT+ZLR" to verify the changes.

Step 6. Execute a command "AT+ZX" to apply the changes.

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