

ZW Wireless Device Client Connection Setup

On the System page, the Maximum Client Connections need to be greater than 0 (zero). 0 (zero) will disable the ability to connect over the Client Connection Port.

Disconnect After Data Sent: Disconnects any port connection to Client Connection Port after the command has been responded to.

Require Authentication: Will require the client to enter the Login password before any command can be sent.

COMMANDS

Note: The command sent must have a carriage return (\r or 0x0D) at the end of the command sent.

Client Connection

Maximum Client Connections

Client Connection Port

Disconnect After Data Sent

Require Authentication

ASCII / TELNET COMMANDS TABLE

Command	Device / Group ID	Description (see notes below if *)	Example
ERCR	Device ID: 000 – 031	Get continuous readings from an End Device (only -TC & -VI)	Get reading for sensor 7, ERCR007
ERDB	Device ID: 000 – 031	Get sensor readings of an End Device	Get reading for sensor 15, ERDB015
ERDR	Device ID: 000 – 031 Reading/parameter: a-s *4	Get individual reading or parameter	Get the first temp. reading for sensor 1, ERDR001c
ERDG	Group ID: 00A - 00D, ALL *5	Get sensor readings of a group / groups of sensors	Get readings for all group B, ERDG00B
EQNF	Device ID: 000 – 031	Get name, *3 status and firmware version of an End Device	Get name for sensor 15, EQNF015
EQNG	Group ID: 00A - 00D, ALL	Get name, *3 status and firmware version of a group/all groups of sensors	Get name for all sensors, EQNGALL
EQPE	Device ID: 000 – 031	Get sleep period, battery voltage, signal strength, success, network address and parent address of an End Device	Get sleep period for sensor 15, EQPE015
EQPG	Group ID: 00A - 00D	Get sleep period, battery voltage, signal strength, success, network address and parent address of a group / all groups of sensors	Get sleep period of group B, EQPG00B
ESPD	Device ID: 000-031, ALL	Set the sleep period for an End Device / all sensors *1	Set sensor 15's sleep period to 30 seconds, ESPD015 30
ESNM	Device ID: 000 – 031	Set the name of an End Device *2	Set the name of sensor 15, ESNM015 z15
ERST	Device ID: 000 – 031, ALL	Reset an End Device / all sensors	Reset all sensors, ERSTALL
ESTR	Device ID: 000 – 031, ALL	Request End Device(s) to go into identify mode	Put all sensors into identify mode, ESTRALL

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ASCII / TELNET COMMANDS TABLE

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ESTP	Device ID: 000 – 031, ALL	Request End Device(s) to resume normal operation	Resume all sensor to normal operation, ESTPALL
CRST		Reset wireless network	Reset network, CRST
CSTS		Get personal network ID and channel information	Get wireless network information, CSTS
FACTORY AdminPassword		Sets the Coordinators Ethernet configurations to Factory Defaults	FACTORY xxxxxxxx xxxxxxx is the Admin Password

*1 Argument: 1 – 32767 (1 seconds to about 9 hours)

*2 Argument: xxxxxxxx (8 characters)

*3 and *4 See the following page

*5 Refer to Section 4.5.1 HTTPget using Port 2000

* An example of the status of an End Device

Command: **EQNG00A**

Response: **7 EngrLAB 01000010 2.0**

7 is the Device ID (DID) of the End Device.

EngrLAB is the name for the End Device.

"01000010" is the bitmap representation of the internal state. The meaning for each bit is described below (bit 7 starts from the left).

2.0 is version of the firmware in the End Device.

<p>Bit 7 shows if the sensor is plugged into the End Device. '1' means there is no sensing device detected.</p>	<p>Bit 4 shows if there is any pending "identify mode request" command for the End Device. '1' means a "start" command is issued.</p>
<p>Bit 6 shows if the communication to the End Device is lost. '1' means there has not been any data received from that particular End Device for 1 minute or 4 times the update rate, whichever is a longer time interval.</p>	<p>Bit 3 not used</p>
<p>Bit 5 shows if there is more than one End Device having the same dip switch configuration. '1' means more than 1 End Device has the same Network ID and Device ID.</p>	<p>Bit 2 shows if there is any pending "reset" command for the End Device. '1' means a "reset" command is issued.</p>
	<p>Bit 1 shows the source of power supply to the End Device. '1' means it's powered by an adapter and '0' means it's powered by batteries.</p>
	<p>Bit 0 shows the operation mode of the End Device. '1' means it is in identification mode and '0' means it is in normal operation mode.</p>

Based on the above information, End Device # 7 has not been communicating with the Coordinator and its power is supplied by an adapter.

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ASCII / TELNET COMMANDS TABLE

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Reading/parameter for ERDR command

End Device Types

Options (lower case)	Reading/parameter
a	Sequence number
b	Device type
c	First temp / error message
d	First RH / barometric pressure / error message
e	Second temp / error message
f	Second RH / barometric pressure / error message
i	Update rate
j	Battery voltage
k	Signal strength
l	Success rate
q	Name
r	Status
s	Firmware version

ZED_T	1	ZED_BT_THP	11
ZED_T_BTP	2	ZED_BT_TP	12
ZED_T_THP	3	ZED_BTH	13
ZED_T_TP	4	ZED_BTP	14
ZED_TH	5	ZED_THP	15
ZED_TH_BTP	6	ZED_TP	16
ZED_TH_THP	7		
ZED_TH_TP	8		
ZED_BT	9		
ZED_BT_BTP	10	ZED_TC	20