Wiz550S2E/Wiz550WEB
Configuration Tool

For more information, please visit our website at http://www.wiznet.co.kr

Document Revision History

Date	Revision	Changes
2016-04-18	1.0	Release

<Contents>

1. Introduction

This document includes description of Usage and Protocol for Wiz550S2E/Wiz550WEB Configuration Tool on GUI and Command Line.

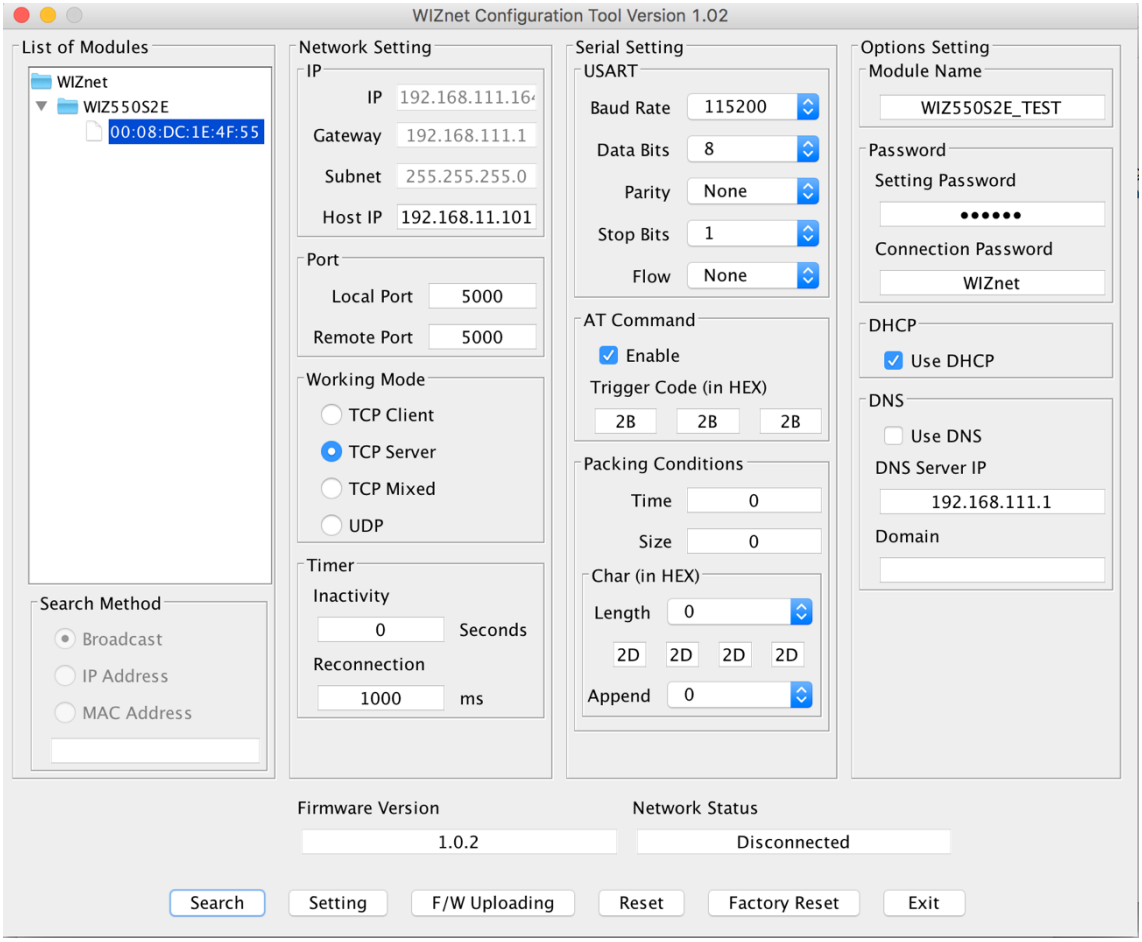
2. Communication

2.1. Functions with aguments

2.1.1. Gui Mode

In order to use GUI mode, execute runnable jar without arguments

```
Jinseung-ui-MBP:github-source jinseungmoon$ java -jar wizconfig-tool.jar
[INFO]Wiznet GUI application is running
```



2.1.2. Search Modules

```
Jinseung-ui-MBP:github-source jinseungmoon$ java -jar wizconfig-tool.jar -b
[WIZ550S2E]00:08:DC:1E:4F:55
```

-b : search available modules and display found modules

2.1.3. Firmware Upload

```
Jinseung-ui-MBP:github-source jinseungmoon$ java -jar wizconfig-tool.jar -m 00:08:DC:1E:4F:55 -s 192.168.111.110 -p WIZnet -f w.b
in
[00:08:DC:1E:4F:55]Firmware Upload start
[00:08:DC:1E:4F:55]Firmware Upload succeed
```

-m : designate mac address

-f : firmware filename to be uploaded on module

-s : TFTP server address

-t : TFTP server port [default:69]

-p : setting password of module

* to upload firmware on module, Network has to be set up correctly(TFTP server should be reachable.

e.g) TFTP server address: 192.168.111.110

Module's IP: 192.168.111.*

2.2. Functions with parameters

2.2.1. Parameter Format

Command[*2Letters*]	Data

Command and data should be concatenated.
E.g) IP192.168.111.248 DH1 BR115200

2.2.2. Command List

Command	Data	Description
DP	-	Display Information
RT	-	Reset Module
FR	-	Factory reset
MN	WIZ550SE, or WIZ550WEB..	Model name
LI		Local IP address
SM		Subnet mask
GW		Gateway
HI		Host IP address
LP		Local port number
RP		Remote host port number
WO	CLIENT(0)/SERVER(1)/MIXED(2)/ UDP(3)	Working mode

IT		Inactivity timer(0~65535ms)
RI		Reconnect interval(0~65535ms)
BR	300/600/1200/1800/… 115200..	Baud rate
DB	7/8/9	Data bits
PR	NONE(0)/ODD(1)/EVEN(2)	Parity
SB	1/2	Stop bits
FL	NONE(0)/RTSCTS(1)/RS422(2)/ RS485(3)	Flow control
AT	Enable(1)/Disable(0)	AT Command
TC	FFFFFF	Trigger cod(fixed 3 bytes in hex)
PT		Serial data packing interval (0~65535ms)
PS		Packing size(0~255)
PL	0/1/2/3/4	Packing delimiter length
PD	FFFFFFFF	Packing delimiters in hex(max 4 bytes)
PA	0/1/2	Packing data appendix
DH	Enable(1)/Disable(0)	DHCP flag
DN	Enable(1)/Disable(0)	DDNS flag
DS		DNS server IP
DO		Domain
NP		Connection password
SP		Setting password

2.2.3. Reset Module

```
Jinseung-ui-MBP:github-source jinseungmoon$ java -jar wizconfig-tool.jar -m 00:08:DC:1E:4F:55 -p WIZnet RT
[00:08:DC:1E:4F:55]Reset succeed
```

-m : designate mac address

-p : setting password

RT : command to reset

2.2.4. Factory Reset Module

```
Jinseung-ui-MBP:github-source jinseungmoon$ java -jar wizconfig-tool.jar -m 00:08:DC:1E:4F:55 -p WIZnet FR
[00:08:DC:1E:4F:55]Factory Reset succeed
```

-m : designate mac address

-p : setting password

FR : command to factory-reset

2.2.5. Display Module's Information

```
Jinseung-ui-MBP:github-source jinseungmoon$ java -jar wizconfig-tool.jar -m 00:08:DC:1E:4F:55 -p WIZnet DP
FirmwareVersion[ReadOnly] = 1.0.2
NetworkStatus[ReadOnly] = Disconnected
OptionsSetting.ModuleName = WIZ550S2E
OptionsSetting.SettingPassword = WIZnet
OptionsSetting.ConnectionPassword = WIZnet
NetworkSetting.Ip = 192.168.11.100
NetworkSetting.Gateway = 192.168.11.1
NetworkSetting.Subnet = 255.255.255.0
NetworkSetting.HostIp = 192.168.11.101
NetworkSetting.LocalPort = 5000
NetworkSetting.RemotePort = 5000
NetworkSetting.Timer.Inactivity = 0
NetworkSetting.Timer.Reconnection Interval = 1000
NetworkSetting.WorkingMode = TCPServer
SerialSetting.USART.BaudRate = 115200
SerialSetting.USART.DataBits = 8
SerialSetting.USART.Parity = 0
SerialSetting.USART.StopBits = 1
SerialSetting.USART.Flow = 0
SerialSetting.AtCommand = Enabled
SerialSetting.AtCommand.Trigger1 = 2B
SerialSetting.AtCommand.Trigger2 = 2B
SerialSetting.AtCommand.Trigger3 = 2B
SerialSetting.PackingConditions.PackingTime = 0
SerialSetting.PackingConditions.PackingSize = 0
SerialSetting.PackingConditions.PackingDelimiterLength = 0
SerialSetting.PackingConditions.PackingDelimiter1 = 2D
SerialSetting.PackingConditions.PackingDelimiter2 = 2D
SerialSetting.PackingConditions.PackingDelimiter3 = 2D
SerialSetting.PackingConditions.PackingDelimiter4 = 2D
SerialSetting.PackingConditions.DataAppendix = 0
DHCP.UseDHCP = Disabled
DNS.UseDNS = Disabled
DNS.DnsServerIp = 8.8.8.8
DNS.Domain =
```

-m : designate mac address to manipulate

-p : setting password

DP : command to display module

2.2.6. Change Module's Information

```
Jinseung-ui-MBP:github-source jinseungmoon$ java -jar wizconfig-tool.jar -m 00:08:DC:1E:4F:55 -p WIZnet MNWIZ550SE_TEST DH1
[00:08:DC:1E:4F:55]Setting succeed
```

-m : designate mac address

-p : setting password

[parameter list]: command and data sets to be applied

e.g)

DH1 (enable DHCP),

MNWIZ550S2E_TEST(set Module name as WIZ550S2E_TEST)

```
OptionsSetting.ModuleName = WIZ550S2E_TEST
OptionsSetting.ConnectionPassword = WIZnet
NetworkSetting.Ip = 192.168.111.164
NetworkSetting.Gateway = 192.168.111.1
NetworkSetting.Subnet = 255.255.255.0
NetworkSetting.HostIp = 192.168.11.101
NetworkSetting.LocalPort = 5000
NetworkSetting.RemotePort = 5000
NetworkSetting.Timer.Inactivity = 0
NetworkSetting.Timer.Reconnection Interval = 1000
NetworkSetting.WorkingMode = TCPServer
SerialSetting.USART.BaudRate = 115200
SerialSetting.USART.DataBits = 8
SerialSetting.USART.Parity = 0
SerialSetting.USART.StopBits = 1
SerialSetting.USART.Flow = 0
SerialSetting.AtCommand = Enabled
SerialSetting.AtCommand.Trigger1 = 2B
SerialSetting.AtCommand.Trigger2 = 2B
SerialSetting.AtCommand.Trigger3 = 2B
SerialSetting.PackingConditions.PackingTime = 0
SerialSetting.PackingConditions.PackingSize = 0
SerialSetting.PackingConditions.PackingDelimiterLength = 0
SerialSetting.PackingConditions.PackingDelimiter1 = 2D
SerialSetting.PackingConditions.PackingDelimiter2 = 2D
SerialSetting.PackingConditions.PackingDelimiter3 = 2D
SerialSetting.PackingConditions.PackingDelimiter4 = 2D
DHCP.UseDHCP = Enabled
DNS.DnsServerIp = 192.168.111.1
DNS.Domain =
```