

1.5 User Manual

CS3300 All-in-One Bridge/REG User Manual

FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and*
- (2) this device must accept any interference received, including interference that may cause undesired operation.*

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body and must not be co-located or operating in conjunction with any other antenna or transmitter.

1. Product description

CS3300 is an all-in-one WiFi/Ethernet bridge and registration hub. It is to be used with CS3180 wetness sensors together. It can be connected to the server via WiFi router or Ethernet and communicate with CS3180 via Bluetooth 4.1. The diagram below depicts the connection.

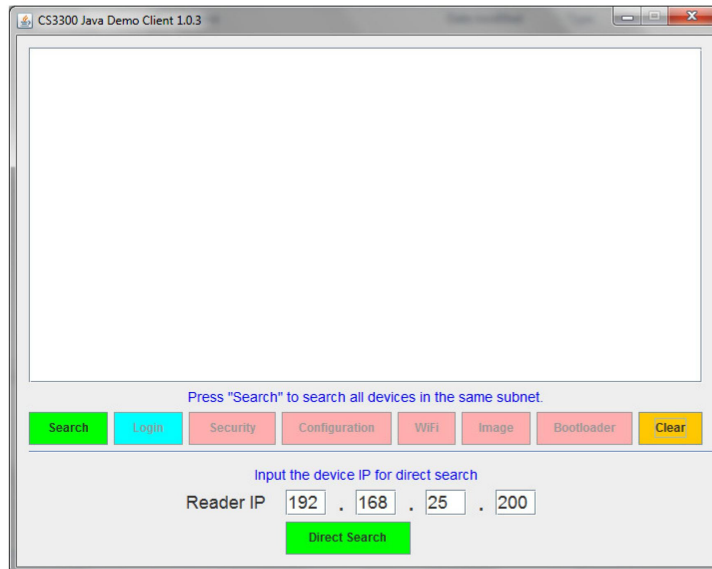
2. Set up procedure

A. WiFi mode :

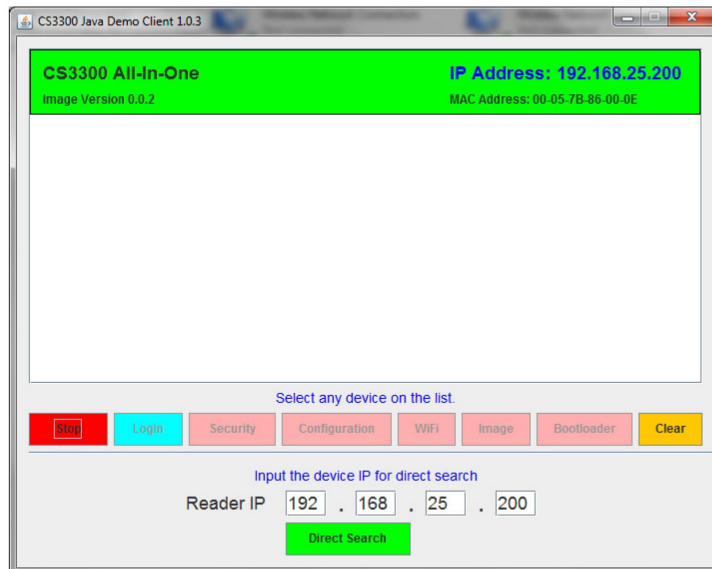
- Unpack CS3300 from the standard packing and switch the mode button at the bottom to WiFi as below.



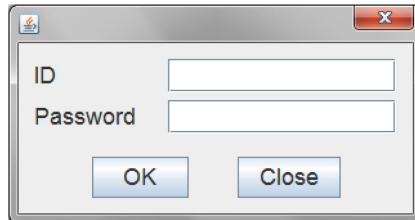
- Connect to the AC adapter.
- Connect the antenna and the Ethernet RJ45 connector to a PC installed "CS3300 Java client program".
- Start the CS3300 client program as below :



- Press "Search" as to find the CS3300

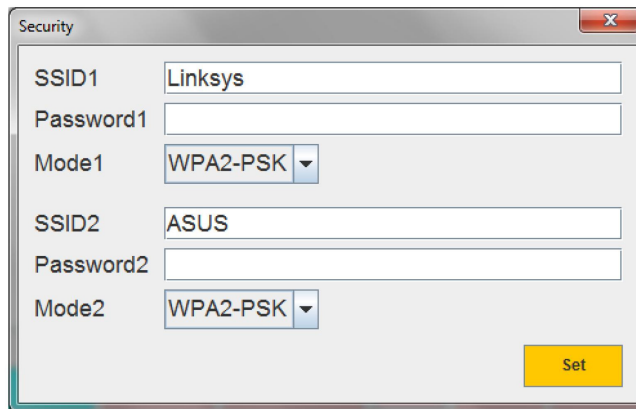


- Press "Login", and another window will pop up



A small dialog box with a title bar containing a close button (X). It contains two text input fields: "ID" and "Password". Below the fields are two buttons: "OK" and "Close".

- Enter the ID and Password and hit "OK". Then press "WiFi" to set up the wireless connection.



A "Security" dialog box with a title bar containing a close button (X). It contains two sections for wireless network configuration. The first section has fields for "SSID1" (containing "Linksys"), "Password1", and a "Mode1" dropdown menu (set to "WPA2-PSK"). The second section has fields for "SSID2" (containing "ASUS"), "Password2", and a "Mode2" dropdown menu (set to "WPA2-PSK"). A yellow "Set" button is located at the bottom right.

- CS3300 will be connected to the WiFi network.

B. Ethernet Mode :

- Unpack CS3300 from the standard packing.
- Switch to Ethernet mode at the bottom of the switch



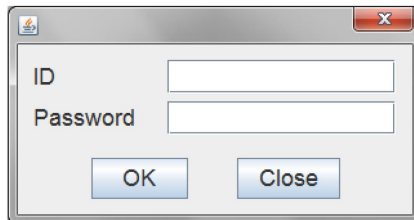
- Connect to Power adapter and connect to the network via the RJ45 connector.
- Run the "CS3300 Java Client" program on a PC in the network.



- Press "Search" to find the device.

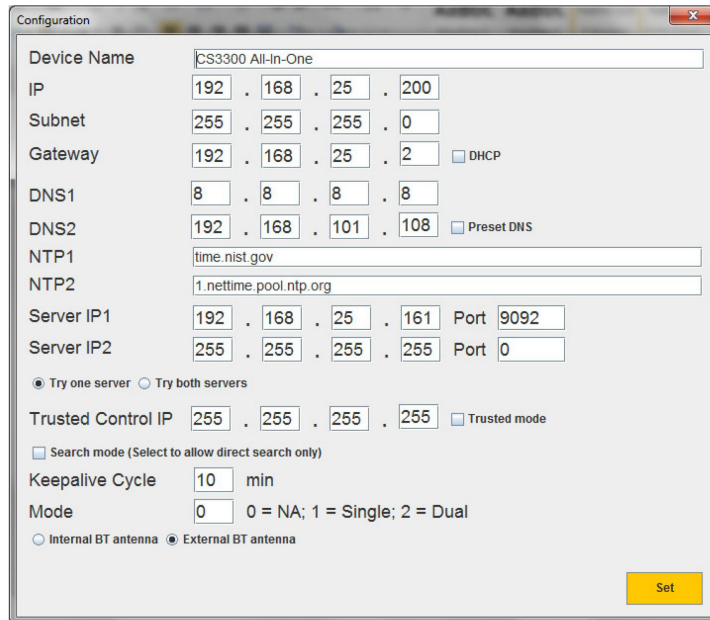


- When CS3300 search is success, press "Login" and enter user ID and



password.

- Set up CS3300 IP and server IP if necessary.



The screenshot shows a configuration window titled "Configuration" for a device named "CS3300 All-In-One". The settings are as follows:

- Device Name: CS3300 All-In-One
- IP: 192 . 168 . 25 . 200
- Subnet: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 25 . 2 DHCP
- DNS1: 8 . 8 . 8 . 8
- DNS2: 192 . 168 . 101 . 108 Preset DNS
- NTP1: time.nist.gov
- NTP2: 1.nettime.pool.ntp.org
- Server IP1: 192 . 168 . 25 . 161 Port 9092
- Server IP2: 255 . 255 . 255 . 255 Port 0
- Try one server Try both servers
- Trusted Control IP: 255 . 255 . 255 . 255 Trusted mode
- Search mode (Select to allow direct search only)
- Keepalive Cycle: 10 min
- Mode: 0 (0 = NA; 1 = Single; 2 = Dual)
- Internal BT antenna External BT antenna

A yellow "Set" button is located at the bottom right of the window.

- CS3300 is ready for use.