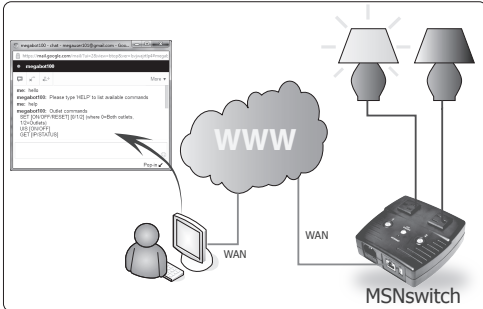


Part 4: How to Access Device from WAN.....

- There are two methods to remotely control MSNswitch outlets;
a. Instant Messaging tool like Google (Hangout), or
b. Web User Interface over WAN (DDNS & Port forwarding required)

Method A: Using Instant Messaging Tool (eg. Google Hangout)



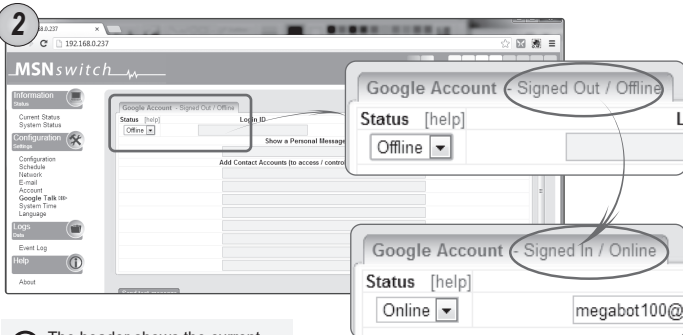
Once setup, user can use Hangout (PC or mobile) to turn On/Off/Reset outlets, get notifications, check status or get current IP info.

To setup:

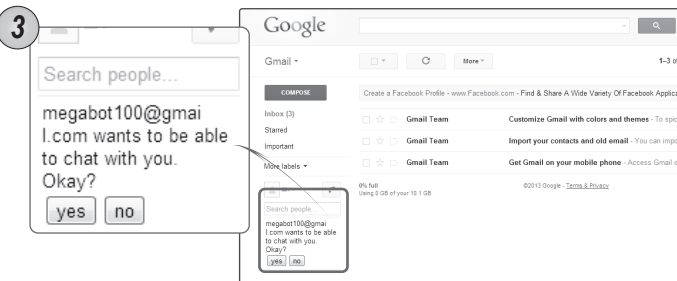
Step 1: Goto www.google.com to create a new Google account for MSNswitch.

Step 2: Once registered goto <http://MSNswitch> --> **Configuration** --> **Google Talk**. Select **Online** and enter the new Google ID and password. Then add your Gmail in Contact Accounts. Click **Apply**.

① Contact Accounts refers to Google accounts that will be able to view and control this device.

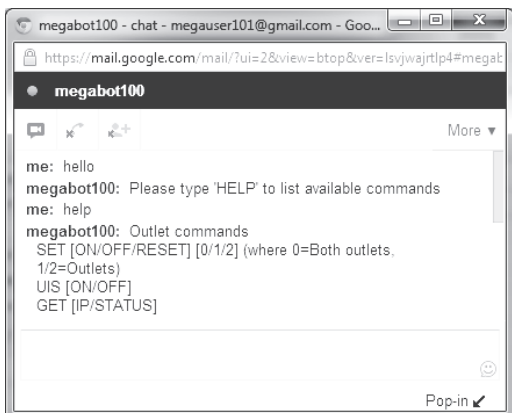


① The header shows the current connection status.



Step 3: Once signed in, Google user listed in **Contact Account** will receive a notification to add the device as a friend. Click Yes to accept.

Once added user can control the device by chatting with it.



Method B: Using DDNS and setting Port Forwarding.

Steps to remotely access MSNswitch Web User Interface.

Step 1: Setup Port Forwarding / Virtual Server

- a) Login to your Router setup / configuration page
b) Forward Port #: **80**. Type / Protocol: **TCP**.

① For details on port forwarding please refer to your router's user manual

Step 2: Get a DDNS account

DDNS service allows a dynamic IP address to be linked to a domain name. See **Configuration** --> **Network** --> **Dynamic DNS** --> **DDNS Providers**.

Select from a supported DDNS service or use MSNswitch free domain name at <serial_number>.icv99.net.

① NOTE:

To change the free domain name, first goto www.icv99.net to Activate the account. The product Serial Number and Key is at the bottom of the device.

Serial Number: S/N:3927000000
MAC: 00-03-EA-11-99-1Z
Login / Password to web interface: Login/pwd: admin/admin Key: 1A2B3C4D Product Key

Part 5: Firmware Update via Netility.....

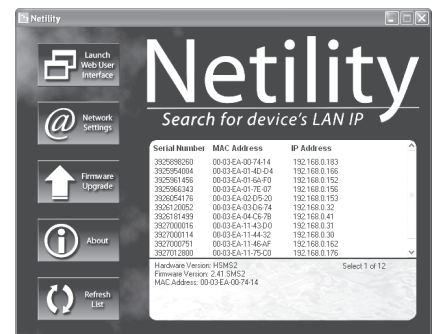
Use Netility to:

- a) launch the web UI,
b) locate / change MSNswitch LAN IP and,
c) upgrade firmware.

Step 1: Download Netility and latest firmware from;

- a. www.MSNswitch.com
b. www.MegaTec.com.tw

Step 2: Install and run Netility to list the device's LAN IP.



Step 3: Click Upgrade Firmware. Select the new firmware file (*.bin) and click **Start**.

Firmware can also be upgraded thru Web Interface > Save / Upgrade.