Part 1. Hardware Setup

Step 1: Connect MSNswitch power cord to wall outlet.

Step 2: Connect the router power input to MSNswitch.

Step 3: Connect LAN cable from Router. The Internet LED will turn ON to indicate online.

Step 4: Press and hold UIS ON / OFF button (2 seconds) to enable Auto Reset function.

> ⚠ 1. Press UIS ON / OFF only when Internet LED is ON.
> 2. All assigned sites must have responded in order for Auto Reset function to work.

Part 2. Description

- Thermal Fuse Slot (10A)
- NEMA plug
- Outlets #1 & #2 Long press to toggle status. (Default: On)
- Internet & Cloud Link LED indicator
- LAN port
- UIS ON / OFF Set Auto Reset (Default: Off)

LED	ON	OFF	BLINKING
Internet	Online	Offline	≥1 IP has timeout
Cloud Link	Device linked & is connected to server	Device not linked to a Cloud account	Device linked but can't contact server
UIS ON / OFF	Enabled (Auto Reset)	Disabled (Manual Control)	- n/a -

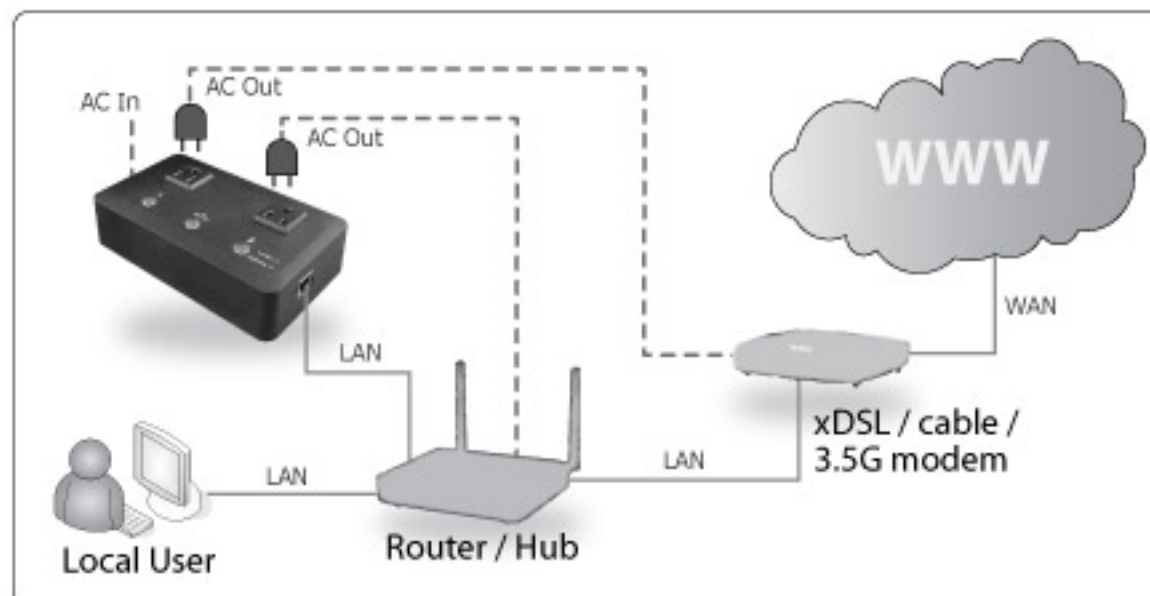| LED (Status)	Description
#1, UIS & #2 (Blinking)	Reset to Factory Default & Clear Cloud Account Link.
All LEDs (Blinking)	Firmware Upgrading. DO NOT interrupt or power off !
#1, UIS & #2 (Blinking in Sequence)	Device is in Add Mode.

Reset to Factory Default:
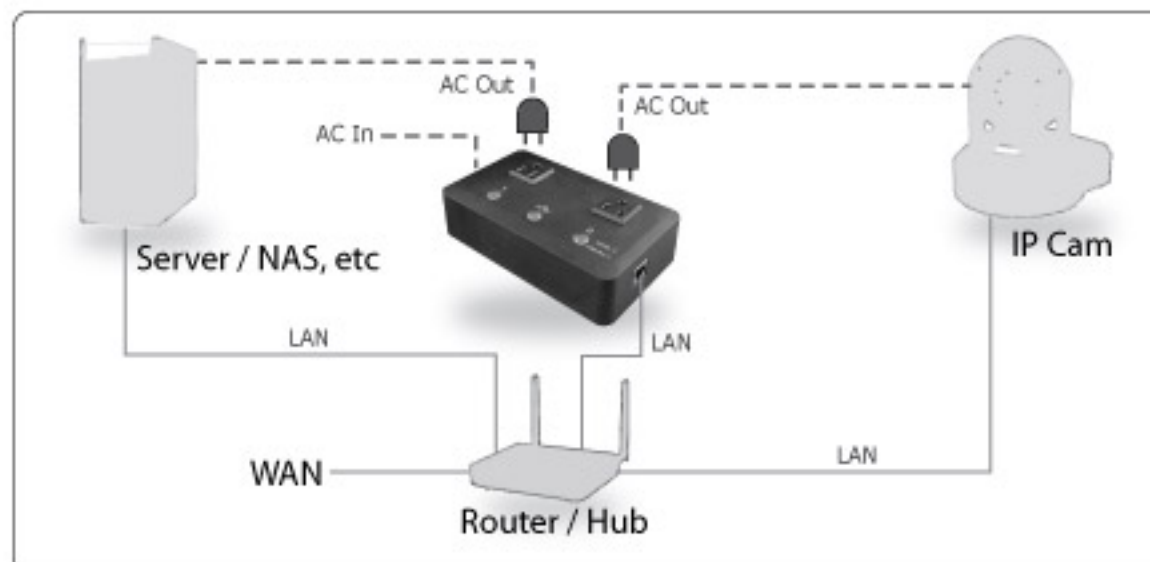Press and hold Outlet #1 & #2 for 10 seconds. Release when all three LED start blinking.

Temporarily Set to a Fixed IP between x.x.x.100 and x.x.x.110:
Press and hold [UIS ON / OFF] button 10 seconds.
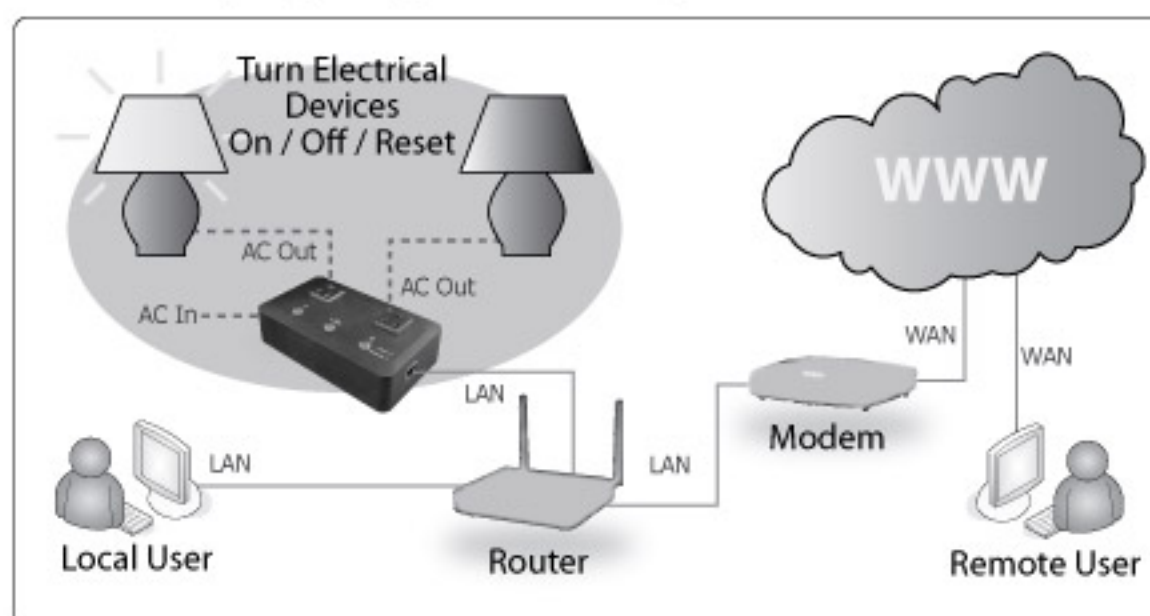*NOTE: Only when MSNswitch has not been assigned a DHCP IP.*

rev. 2208

For the latest firmware, please visit http://www.MSNswitch.com

ezDevice APP available from:
- App Store — Download on the
- Google play

Quick Installation Guide

For model: **UIS-622b**

Cloud4UIS.com ENABLED

Usage #1

Usage #1: MSNswitch setup to perform automatic reset of router and modem. No software setup required (see hardware setup in Part 1).

Usage #2

Usage #2: MSNswitch setup as watch-dog to keep internet device alive. Software setup required (see Parts 3 & 4).

Usage #3

Usage #3: MSNswitch setup to remote control electrical devices. Software setup required (see Parts 3 & 4).

Part 3: Accessing Web User Interface (GUI)

Access MSNswitch Web User Interface to manage and change settings.

Step 1: Locate device's LAN IP.
- Method 1: Check router's *DHCP Table*.
- Method 2: Install & run *Netility* to scan for IP (see Part 5).
- Method 3: Use device default *Hostname*.
  On a Windows system, while in the same LAN as device, open a browser to http://MNT-XXXXX (where X is device's *last 6 MAC*).

Step 2: Create a new Administrator account.

Create a new Administrator account for this device

- Enter new Login
- Enter new Password
- Confirm Password

1. Set between 1 to 31 characters.
2. { } < > " ' ; $ not allowed.

Save and Continue

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

MSNswitch can be remotely controlled thru;

A: Instant Messaging Tool
B: *ezDevice* APP or thru
   www.Cloud4UIS.com
C: Built-in Web Interface
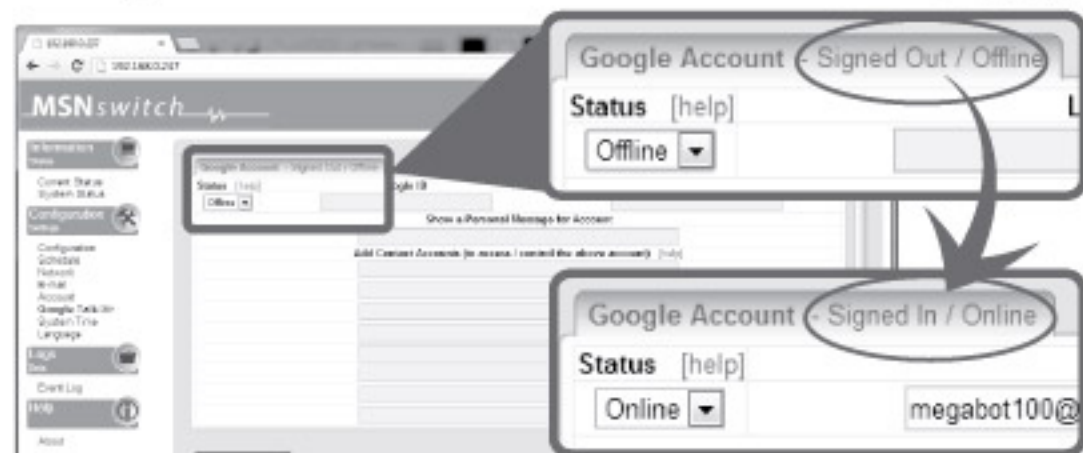D: API (download from GUI
   Config > Heartbeat [Help])

A. Instant Messaging Tool *(eg. Google Hangouts / Skype)*

Hangouts Setup:

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

Step 2: Once registered goto **http://MSNswitch --> Configuration --> Hangouts**. Select **[Online]** and enter the new Google Login ID and Password.

Next enter your own Gmail in **Add Contact Accounts**. Click **[Apply]**.

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.

Skype Setup:

Step 1: Login to **http://MSNswitch --> Configuration --> Skype**. Select **[Enable]** and follow the "Auto Rebooter" link. Add it to your Skype Contacts.

Step 2: From Skype select "Auto Rebooter" and type "Help"

Step 3: Select **[Get My ID]** to generate a unique ID.

Step 4: Copy and paste ID to **http://MSNswitch --> Skype --> My ID**. Click **[Add]**.

> **NOTE:**
> Skype and Hangout are owned by Microsoft and Google respectively. Use of these application are subject to their usage terms and conditions.

B. Using *ezDevice* APP or *www.Cloud4UIS.com*

Step 1: Login to **http://MSNswitch --> Network --> Cloud Service**. Select **[Enable]**.

Step 2: Install **ezDevice** APP and **Sign Up** for a Cloud4UIS account.

Step 3: *Add* this device to Cloud4UIS account.

   a. From APP, select **[+]** and **model**.

   b. Enter the device **Serial Number** (see product label)

   c. *Unplug then plug* (within 3sec) device's LAN cable to enable **Add Mode** *(3x LED will blink in sequence)*.

   d. Done! Device is now listed in **APP --> My Device**.

Once '*Added*' to Cloud4UIS, the device's **Cloud Link** LED will turn ON.

CLOUD LINK

> **NOTE:**
> a. The first person to 'Add' the device becomes the 'Owner'.
> b. Each device can only have one 'Owner'.
> c. 'Owner' can 'Share' device with other Cloud4UIS users and set these user's access permission.

How to [Remove] '*Added*' Device

Method 1: From APP or Cloud4UIS.com account:
Select **[Remove Device]**. *Note: Device settings retained.*

Method 2: From device:
Press & Hold Outlet #1 & #2 for 10 seconds to *Reset device to Factory Default*.

> **NOTE:**
> Method 2 clears device Settings, 'Owner' & all 'Shared' users. Corresponding Cloud4UIS unit needs to be removed separately.

C. Built-in Web Interface *(setup DDNS and Port Forwarding)*

Setup to remotely access MSNswitch Web User Interface.

Step 1: Setup Port Forwarding
   a. Login to your Router web interface.
   b. Forward Port #: **80**. Type / Protocol: **TCP**.

> (!) 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 a supported DDNS service or use MSNswitch free domain name. Default as *<serial_number>.icv99.net*

> (!) 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.
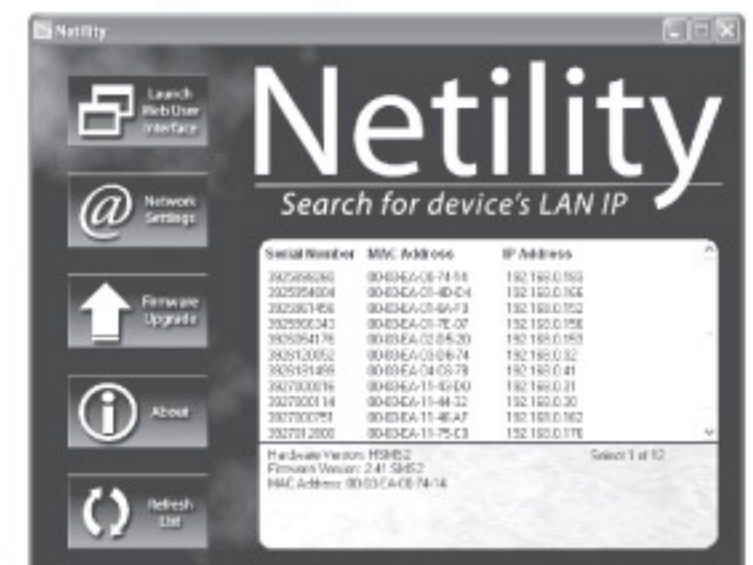
Part 5: Locate MSNswitch using Netility..........................

Use Netility to:
a. launch device web UI,
b. locate or change network settings, and
c. upgrade firmware.

Step 1: Download Netility and latest firmware from; *www.MSNswitch.com*

Step 2: Install and run Netility to list LAN IP and/or upgrade firmware.

> **NOTE:**
> a. Device and Netility must be connected to the same router.
> b. Device's LAN IP can also be obtained from router's DHCP table.

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