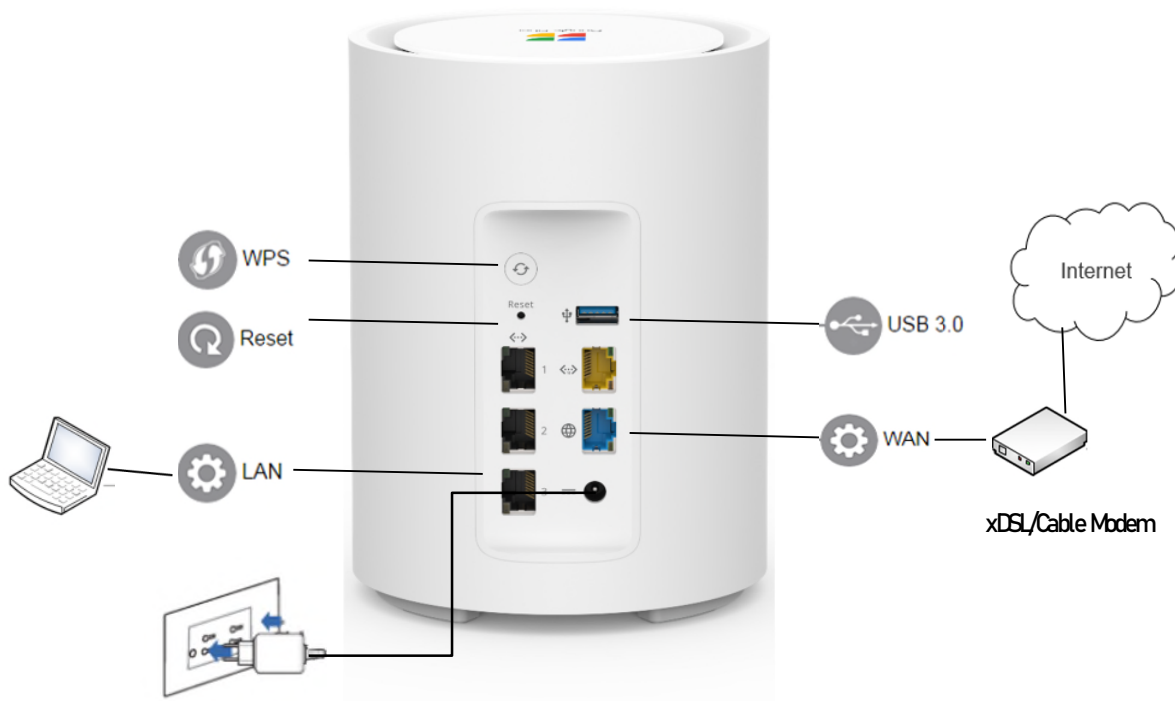


**Google Fiber  
Wi-Fi 6E Router  
(RT5035W)  
Quick User Guide**

## 1. Router Setup



1. Insert your RT5035W's AC adapter to the DC-IN port and plug it to a power outlet.
2. Using a network cable to connect your computer with the RT5035W's LAN port.
3. Connect another Ethernet cable from broadband Modem such as cable Modem or xDSL/Cable Modem to RT5035W's Internet (WAN) port.
4. Configure RT5035W to access the Internet via Web GUI.

## 2. LED

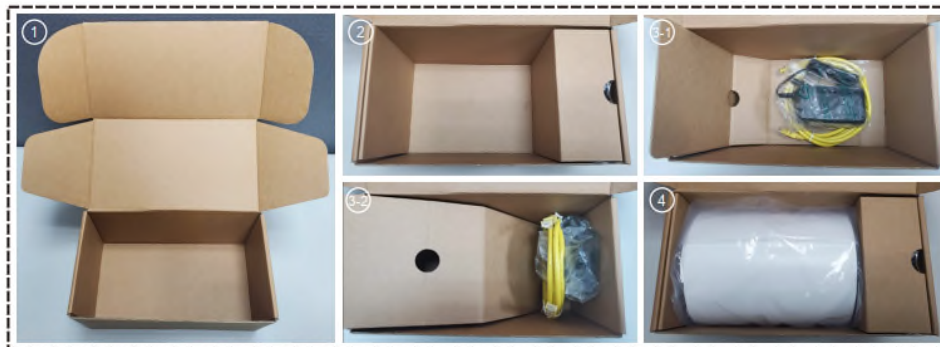
| Function | LED Behavior                                                                     | Device Status                |
|----------|----------------------------------------------------------------------------------|------------------------------|
| Power    | Blink green                                                                      | Device booting               |
|          | Solid green                                                                      | Power on, everything working |
|          | Blink red until bootup process starts, then "Device booting" state (blink green) | Factory reset                |
|          | Solid Red                                                                        | Hardware failure             |
|          | Blink green                                                                      | Firmware upgrade in progress |
|          | Off                                                                              | Power off                    |

| Function | LED Behavior | Device Status                                          |
|----------|--------------|--------------------------------------------------------|
| Internet | Solid red    | WAN Link down (WAN cable unplugged/ethernet link down) |
|          | Solid red    | DHCP discover failed (after 1 minute timeout)          |
|          | Solid green  | Registered with ACS                                    |
|          | Solid Red    | Failure to register with ACS                           |
| Wi-Fi    | Solid yellow | Wi-Fi disabled by user                                 |
|          | Blink green  | 2.4Ghz only up [expected state during DFS scan]        |
|          | Solid green  | All frequencies up                                     |
|          | Solid Red    | Wi-Fi problem                                          |

| Function                  | LED Behavior                                                        | Device Status                                                        |
|---------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------|
| WPS (doubles as a button) | Off                                                                 | Mesh network not configured                                          |
|                           | Off                                                                 | Waiting to be paired<br>(Currently unconfigured; user action needed) |
|                           | Blink white                                                         | WPS pairing in progress                                              |
|                           | Solid green                                                         | Pairing successful                                                   |
|                           | Off                                                                 | Mesh network expected<br>extender disconnected                       |
|                           | Solid red for 15 seconds, then back to "Waiting to be paired" state | WPS pairing failed                                                   |

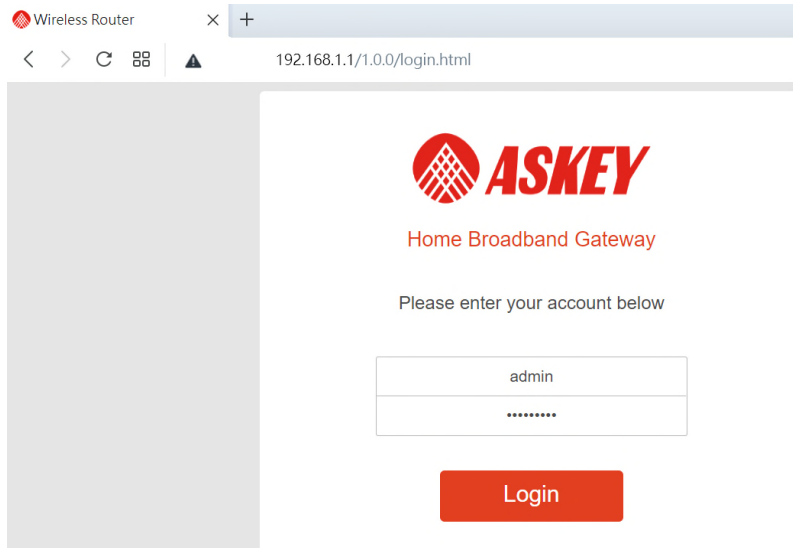
### 3. Package .

1. One RT5035W .
2. One Adapter 12.5V .
3. One Ethernet Cable.

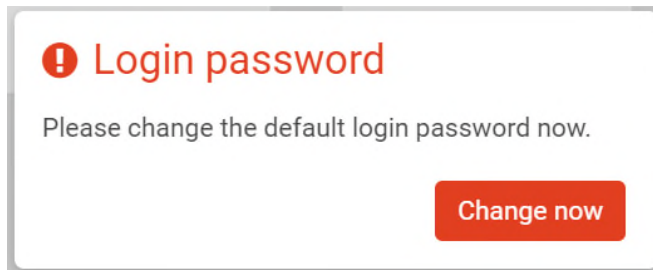


## 4. Quick Internet and WiFi Setup

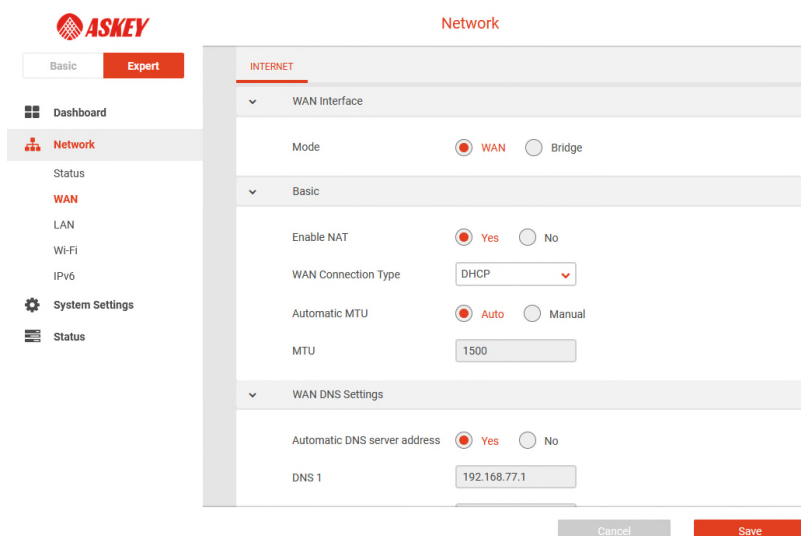
1. On your web browser, manually key in the RT5035W's default IP address: https://192.168.1.1.
2. Enter the default username (admin) and password (admin@123).



3. Click Change now to change the default login password .



4. Log into the Web GUI and Click on “Expert / Network / WAN ”. Select WAN Connection Type , Dynamic IP, PPPoE, PPTP, L2TP or Static IP. Key in the necessary information for your ISP connection type to configure your RT5035W to connect to the Internet. Click Save .



5. Click on “Expert / Network / WiFi /Basic ”. Turn on WiFi Network and Enable EasyMesh then assign the wireless network name (SSID) and security key for your 2.4GHz and 5 GHz and 6 GHz wireless connection. Click Save when done .

Basic Expert

Dashboard

Network

Status

WAN

LAN

Wi-Fi

IPv6

System Settings

Status

### Manage Wi-Fi Settings

BASIC WPS ACL RADIO DFS SWITCH

Enable EasyMesh ☒ Yes ☐ No

EasyMesh Status STARTED

Setting

Network Private Network

Wi-Fi Network **ON** ☒

Wi-Fi Network Name (SSID) Askey-45-2G

Broadcast SSID **ON** ☒

Security Setting WPA2 Personal

WPA Encryption AES-128

Wi-Fi Password .....

Protected Management Frames Disable

Max Clients 253

Cancel Save

6. Click on “Expert / Network / WiFi Radio”. Select the wireless Mode , Band Width and Control Channel for your 2.4GHz and 5 GHz and 6 GHz wireless connection. Click Save when done .

ASKEY

Network

Basic Expert

Dashboard

Network

Status

WAN

LAN

Wi-Fi

IPv6

System Settings

Status

### Network

BASIC WPS ACL **RADIO** DFS SWITCH

Frequency 2.4 GHz

Setting

Enable Radio ☒ Yes ☐ No

Wireless Mode ax/n

Channel Bandwidth 20 MHz

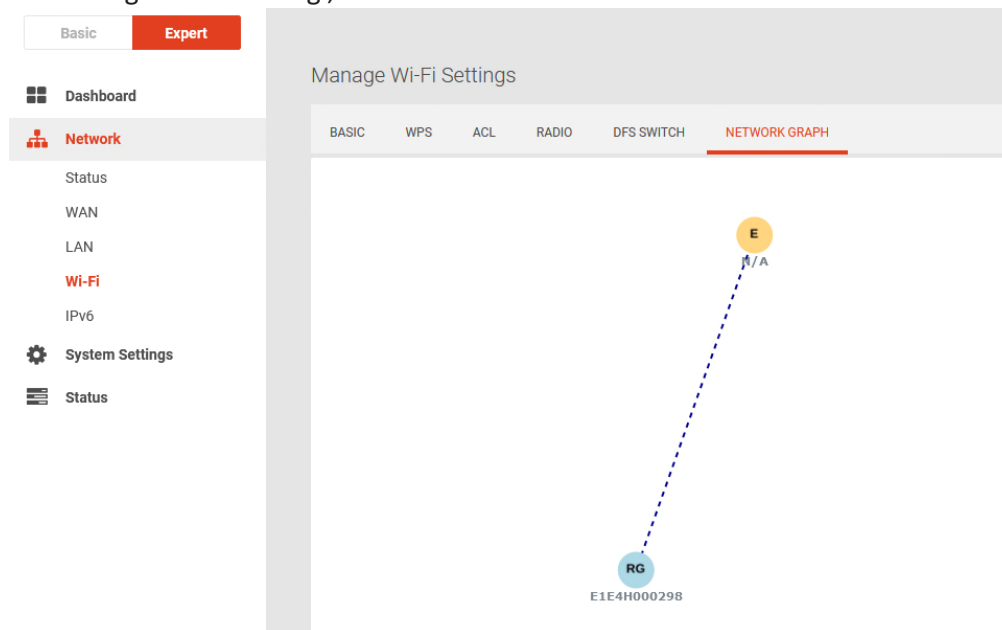
Control Channel Auto

Tx Power Adjustment 100%

Beacon Interval 100

Cancel Save

7. WPS pairing , By click RT5035W's and AP5692W's WPS button . Waiting for 2 minutes .  
Wait AP5692W connected to RT5035W by Mesh .
8. Manage Mesh Setting , click Network Wi-Fi NETWORK GRAPH . Check Mesh is connected .

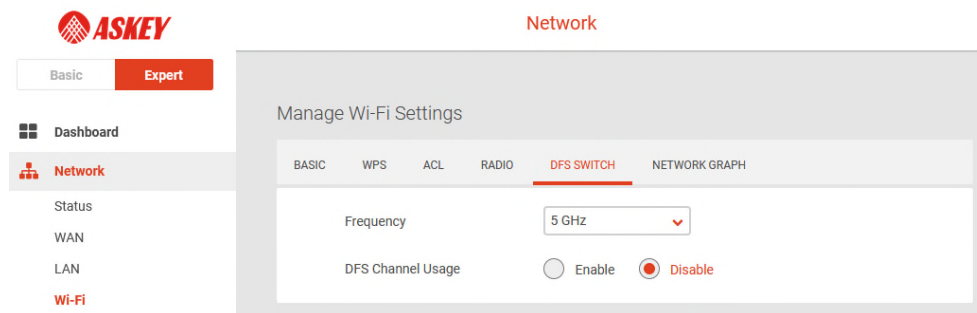


9. Wi-Fi Radio , Change Wi-Fi radio 2.4GHz , 5GHz , 6GHz mode , bandwidth , Channel ..

The screenshot shows the 'Network' settings page with the 'RADIO' tab selected. The page displays various Wi-Fi settings:

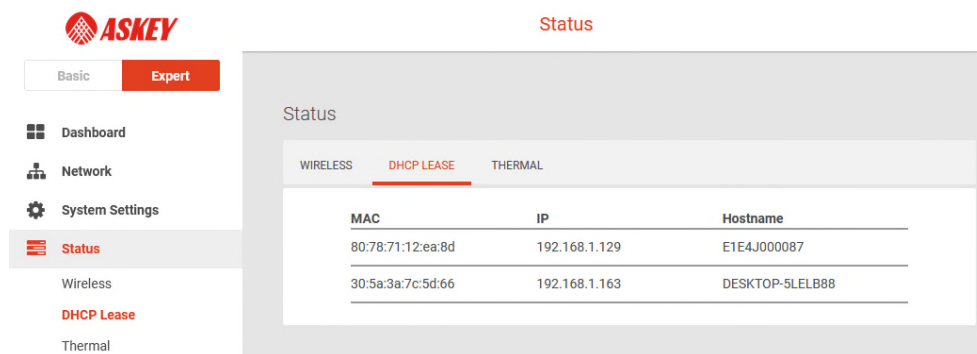
- Frequency:** 2.4 GHz
- Setting:**
  - Enable Radio:** ☒ Yes ☐ No
  - Wireless Mode:** ax/n
  - Channel Bandwidth:** 20 MHz
  - Control Channel:** Auto
  - Current Channel:** 11
  - Tx Power Adjustment:** 100%
  - Beacon Interval:** 100

## 10. DFS Switch , Enable or Disable DFS channel .



The screenshot shows the ASKEY Network configuration page. The left sidebar has tabs for Basic, Expert, Dashboard, Network, System Settings, and Status. The main content area is titled 'Manage Wi-Fi Settings' and has sub-tabs for BASIC, WPS, ACL, RADIO, DFS SWITCH, and NETWORK GRAPH. The DFS SWITCH tab is selected, showing a Frequency dropdown set to 5 GHz and a DFS Channel Usage section with radio buttons for Enable and Disable. The Disable option is selected.

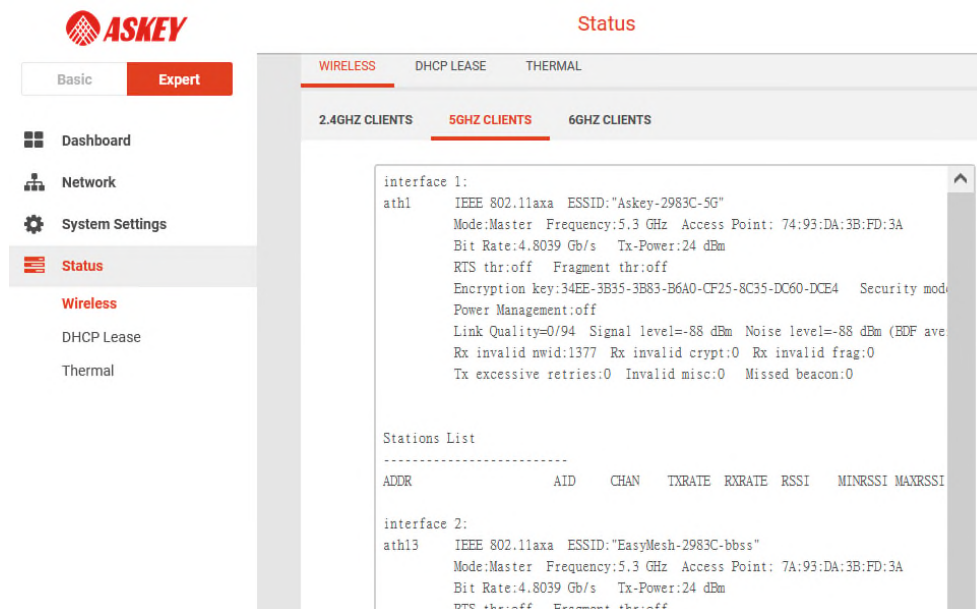
## 11. DHCP , click DHCP LEASE , Check Status .



The screenshot shows the ASKEY Status page. The left sidebar has tabs for Basic, Expert, Dashboard, Network, System Settings, and Status. The main content area is titled 'Status' and has sub-tabs for WIRELESS, DHCP LEASE, and THERMAL. The DHCP LEASE tab is selected, showing a table of DHCP leases.

| MAC               | IP            | Hostname        |
|-------------------|---------------|-----------------|
| 80:78:71:12:ea:8d | 192.168.1.129 | E1E4J000087     |
| 30:5a:3a:7c:5d:66 | 192.168.1.163 | DESKTOP-5LELB88 |

## 12. Status wireless . Check Wi-Fi Client Status .



The screenshot shows the ASKEY Status page. The left sidebar has tabs for Basic, Expert, Dashboard, Network, System Settings, and Status. The main content area is titled 'Status' and has sub-tabs for WIRELESS, DHCP LEASE, and THERMAL. The WIRELESS tab is selected, showing a sub-tab for 5GHZ CLIENTS. Below this, there is a text area showing the status of interface 1 (ath1) and interface 2 (ath13). Below the text area is a 'Stations List' table.

```

interface 1:
ath1 IEEE 802.11axa ESSID:"Askey-2983C-5G"
Mode:Master Frequency:5.3 GHz Access Point: 74:93:DA:3B:FD:3A
Bit Rate:4.8039 Gb/s Tx-Power:24 dBm
RTS thr:off Fragment thr:off
Encryption key:34EE-3B35-3B83-B6A0-CF25-8C35-DC60-DCE4 Security mode:WPA2-PSK
Power Management:off
Link Quality=0/94 Signal level=-88 dBm Noise level=-88 dBm (RDF average)
Rx invalid nwid:1377 Rx invalid crypt:0 Rx invalid frag:0
Tx excessive retries:0 Invalid misc:0 Missed beacon:0

interface 2:
ath13 IEEE 802.11axa ESSID:"EasyMesh-2983C-bbss"
Mode:Master Frequency:5.3 GHz Access Point: 7A:93:DA:3B:FD:3A
Bit Rate:4.8039 Gb/s Tx-Power:24 dBm
RTS thr:off Fragment thr:off
  
```

| ADDR | AID | CHAN | TXRATE | RXRATE | RSSI | MINRSSI | MAXRSSI |
|------|-----|------|--------|--------|------|---------|---------|
|------|-----|------|--------|--------|------|---------|---------|

### 13. Login AP5692W WEB GUI , Enter default admin and admin@1234



**GE6E210A**

## Login

 admin

 .....

Login

### 14. Check RE wifi information .



Firmware Version v0.0.3-D  
Build D\_230602-429

System Time: Tue Aug 01 2023 01:51:03  
System Has Been Up for: 03 days, 16 hours, 35 mins.

General

Wireless

Advanced Settings

## Connection Status

**Internet**  
Status: **Connected**  
IPv4 Address: 192.168.1.129  
IPv6 Address: No IP Address

**WiFi**  
2.4 GHz Status: **Disabled**  
5 GHz Status: **Disabled**  
6 GHz Status: **Disabled**  
Network Name (SSID):  
WiFi (2.4GHz) Name:  
Network Key: [Show](#)  
WiFi (5GHz) Name:  
Network Key: [Show](#)  
WiFi (6GHz) Name:  
Network Key: [Show](#)

**Connected Devices**  
Number of Devices: 2

### 15. About wireless . Check wireless .



Firmware Version v0.0.3-D  
Build D\_230602-429

System Time: Wed Aug 02 2023 01:54:30  
System Has Been Up for: 0 day, 18 hours, 59 mins.

General

Advanced Settings

Wireless

Guest Network Setting

Administration

Statistics

About

2.4 GHz WiFi Network

2.4 GHz WiFi Network ☐ Enable

5 GHz WiFi Network

5 GHz WiFi Network ☐ Enable

6 GHz WiFi Network

6 GHz WiFi Network ☐ Enable

Apply

Cancel

### 16. Statistics , check TX and RX packets .

System Time: Wed Aug 02 2023 01:55:30  
System Has Been Up for: 0 day, 19 hours, 0 min.

General

Advanced Settings

Wireless

Administration

Statistics

About

## Packet Statistics

| Interface  | Transmit |      | Receive |      |
|------------|----------|------|---------|------|
|            | Packets  | Errs | Packets | Errs |
| LAN Port 1 | 0        | 0    | 0       | 0    |
| LAN Port 2 | 0        | 0    | 0       | 0    |
| 2.4G       | 600683   | 23   | 556019  | 9    |
| 5G         | 0        | 0    | 0       | 0    |
| 6G         | 0        | 0    | 0       | 0    |

Refresh

## 17. Status .

The screenshot shows a web interface with a sidebar on the left containing menu items: General, Advanced Settings, Wireless, Administration, Statistics, and About. The 'About' item is highlighted in red. The main content area is titled 'System Information' and displays the following details:

|                        |                              |
|------------------------|------------------------------|
| Model                  | GE6E210A                     |
| Serial Number          | E1E4J000087                  |
| Software Version       | v0.0.3-D build D_230602-429  |
| Release Date           | 2023-06-02 12:12             |
| Base MAC Address       | 80:78:71:12:EA:8D            |
| 2.4G MAC Address       | 80:78:71:12:EA:8A            |
| 5G MAC Address         | 80:78:71:12:EA:8B            |
| IPv4 Address           | 192.168.1.129                |
| IPv6 Address           | No IP Address                |
| System Time            | 2023-08-02 01:56:00 00:00:14 |
| System Has Been Up for | 0 day, 19 hours, 0 min.      |

Below the table, a text prompt reads: 'Click the **Refresh** button to update the status.'

At the bottom right, there is a button labeled 'Refresh' with a circular arrow icon.

## 5. Firmware upgrade

1. Click on “Expert / System Settings / Firmware ”. Click Select File then select firmware file from your PC or NB then click Upgrade .

The screenshot shows the ASKEY logo at the top left. The page title is 'System Settings'. On the left sidebar, there are tabs for 'Basic' and 'Expert', with 'Expert' selected. Below these are icons for 'Dashboard', 'Network', 'System Settings' (highlighted in red), 'Password & Timezone', 'Reboot', 'Configuration & Reset', 'Firmware' (highlighted in red), 'ACS', and 'Status'.

The main content area is titled 'Manage System Settings' and has sub-tabs: 'PASSWORD & TIMEZONE', 'REBOOT', 'CONFIGURATION & RESET', 'FIRMWARE' (highlighted in red), and 'ACS'. Under the 'FIRMWARE' tab, there is a section 'Firmware Information' with the following details:

|                            |         |
|----------------------------|---------|
| Product ID                 |         |
| Hardware Version           | Unknown |
| Firmware Version Installed | 1.0.0   |

Below this is a section 'Upgrade Manually' with a sub-tab 'Upgrade from File'. It shows 'No file selected' and two buttons: 'Select File' and 'Update'.

## 6. Regulatory Compliance Notices

### Class B 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:

脧 Reorient or relocate the receiving antenna.

脧 Increase the separation between the equipment and receiver.

脧 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

脧 Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems. This device is restricted for indoor use.

**IMPORTANT NOTE:**

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This product is intended to be supplied by a UL Listed Power Adapter or DC power source marked 'L.P.S' or 'Limited Power Source', rated 12Vdc, 3.5 A and Tma 40°C (min.). If you require further assistance, please contact your Askey Computer Corp representative.