



# Tap Coin WiFi

**Model: WIFI-A202**

## USER MANUAL

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## 1. Preface

Thank you for purchasing the Tap Coin WiFi (WIFI-A202) of Grey 2 Green.

It is recommended that you read the operating instructions and safety precautions in this manual carefully prior to installing and using this product.

### Safety Precautions

- 1) Please read this manual thoroughly and keep it safe for future use. Breach of these notes may cause dangers or offending relevant laws.
- 2) The product is designed for indoor operating. Don't use it for other purposes.
- 3) Protect the Device from intense impact and vibration during transporting, installing and using. The Device may be permanently damaged if excessive force or liquid dunking is applied to the Device.
- 4) Before using the Device, relevant instructions should be read thoroughly. Try to operate the Device in accordance with relative environment condition and operation guide.
- 5) Avoid installing the Device beside a strong magnetic field or in a dusty environment in order not to reduce the service life.
- 6) If the Device has failure, please contact the local representative or after service department of our company. Any disposal beyond our authorization will void the warranty clause.

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## 2. Product Overview

The Tap Coin WiFi is a compact WiFi hotspot device designed to help all indoor venue owners (e.g. dormitories, coffee shops, retail stores, chain shops) provide their visitors an immediate self-service WiFi Internet service, by connecting with xDSL/cable/fiber optic modem or 4G network (optional backup connection).

The device is plug-&-play and easy to install. And the owner can define the WiFi Internet service charge and manage accounts via webpage (optional).

The end user just needs to tap the phone on the scan area of device, enable WiFi connection on his/her mobile phone (or other wifi-enabled device like tablet/laptop), connect the hotspot of Tap Coin WiFi, and then the end user can take back the phone and insert coins to buy the WiFi Internet service. The mobile phone can access Internet without login with username or password. When the paid time elapses, Internet access is automatically disconnected and the account is stopped.

The device also provides mobile phone airtime top-up function after the end user inserts coins (optional).

### 2.1 Basic Functions & Features

- - Provide WiFi signal range at 100 meters (outdoor) / 30 meters (indoor);
- - Offer self-service style of WiFi service top-up with coins;
- - Provide mobile phone airtime top-up service (optional);
- - Provide real-time information of online duration and traffic to ensure end user's benefits;
- - Support online metering feature to protect operator's benefits;
- - Offer web-based Network Management System (NMS) to manage 1000 sets of online device and provide exportable statistics reports (optional);
- - No inquiry, no username, and no password is required; just tap the phone, insert coins, and get WiFi;
- - No need for supervision. Self-service working method to save labor cost;
- - Excellent coin-learning ability to recognize your local coins and discriminate fake coins;
- - Plug-&-Play: only AC power supply and Internet cable connection are required; no local configuration is needed;
- - Modular structure makes maintenance easy;
- - Constructed of durable ABS plastic;
- - Can be wall or desktop mounted;
- - Support roaming between chain stores with the same account (optional);
- - Support automatic failover between 4G network and RJ45 connection (optional);
- - Professional coin passage design to prevent coin stolen or fraud.

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## 2.2 Appearance

Coin Box

Coin Insertion Slot LCD

Upper Door Lock

Sensor Area

Coin Box Lock

Coin Refund Bucket

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## 3. Mounting the Device

- 1) Directly place the Device on a desk. Or follow our extra instructions to mount the Device on the wall if required.
- 2) Connect an ADSL/cable modem or the Ethernet to the Device's RJ45 port (on the back) via an Ethernet cable. Plug the AC adapter cable on the socket at the left side of Device.
- RJ45 Port

- Power Adaptor Socket
- 3) For 4G-version machine, insert the 4G SIM card in the socket on the 4G USB modem at the back of upper door. (**Note:** Do not switch on the Device before inserting any SIM card.)

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Insert the 4G SIM Card here

- 4) Connect the AC adaptor to a main supply to switch on the Device.
- 5) Wait for 1 minute around, then the WiFi name and price info will be shown like below.

WiFiName:
.Tap_Coin_WiFi
Price:
USD 1.00/60 min

Standby Display of Device

If you need to connect Access Point (AP) and/or the additional metallic coin box to the Device, please contact us to get instruction document.

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## 4. Instructions for Coins 4.1 Learning Your Local Coins

Only when the Device has not been configured with your local coins, or you need to make the Device recognize new coins, the following steps are required.

### 4.1.1 Entering Operation Interface on Webpage

- **1) Please start the coin learning operation within 1 hour after you power on the Device.**
- 2) When you are closed to the Device, use your Wifi-enabled mobile phone (or tablet) to connect the **hidden** hotspot named “**coinxxxx**” (**where xxxx is the Device’s SSID shown on screen, for example, if the xxxx is TapWiFi then the hidden SSID is coinTapWiFi**).
- 3) To access the hidden SSID, you need to choose “other” or “add WLAN network” in the WLAN list (the menu may vary with different model of mobile phone). Then enter “**coinxxxx**” in the “Name”, choose “Security” as “WPA” or “WPA2”, and enter “solution” in the “Password”. For iPhone/iPad, you need to click “Join” at the right upper corner.

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4) For iPhone or iPad, the browser will automatically pop up the interface for coin study. For Android device, please go to any link in the browser to open this interface.

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5) If a key is pressed, it will be highlighted for 1~2 seconds and then restore to original color. You need to press corresponding keys as mentioned in the section below to make the Device learn your local coins.

### 4.1.2 Entering Maintenance Menu on Device

(1) When the Device is in standby status, on the webpage press the [START] key THREE times until the Device screen displays like this:

(2) On the webpage, input the 6-digit password (the default password is “111111” or “123456”) in the “ENTER” field, and then press the [OK] key to enter the main menu.

INPUT PASSWORD

COINSYSTEM SETUP
PARAMETER SETUP INPUT & OUTPUT PHONE TEST

### 4.1.3 Studying Coins

1) When “COINSYSTEM SETUP” is selected, press the [OK] key to show its submenu like below.

COIN TRAINING
COINBOX VERSION QUERY COIN PARA
SAVE COIN PARA

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- 2) Press [OK], then in the “ENTER” field input the **Code of Coin Type** (Value “01” for the 1<sup>st</sup> kind of coin, “02” for the 2<sup>nd</sup> kind of coin, and so on; **please consult us for the coin list of your local coins**):
- 3) Press [OK], then in the “ENTER” field enter the **Quantity of Coins** of the same type to be inserted to let the Device study its parameters (you can just keep the default value “10”, then you need to prepare 10 coins for this kind of coin):
- 4) Press [OK], the **Coin Value** will indicate the coin’s face value (**please consult us for the coin list of your local coins to know which kind of coins shall be inserted for the corresponding Coin Number**):
- 5) Press [OK] repeatedly until the screen prompts you to insert coins for studying like below. Then please insert the coins of same kind one by one into the coin insertion slot.
- For the “\*\*/\*\*” at the upper right corner, the first 2 digits represent how many coins are recognized as valid during the training, and the last 2 digits represent the total coins to be inserted for the training.
- 6) When the training is finished, press [OK] repeatedly until the screen shows:

COIN NUMBER: 1

0

COIN NUMBER:01 TRAINING TIME: 0

COIN NUMBER:01 TRAINING TIME: 0 COIN VALUE: 000

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0

COIN:01 \*\*/\*\* P1:\*\* P2:\*\* P3:\*\*

P1\*P2:\*\*\*\*

COIN TRAINING

SAVE COIN PARA PRESS ENT/CANCEL

Press **[OK]** to save the current parameter value to finish the coin learning and the screen will display:

7) Press **[OK]** to continue learning other coins.

**Please repeat the instructions from Step 2 to 7 if you need to make the Device recognize more than 1 kind of coin.**

To exit the maintenance menu, you can press **[EXIT]** repeatedly until the Device return to standby status.

**After the coin learning operation, please power off the Device and power it on again before you test the WiFi function (as per Section 6).**

## 4.2 Collecting Coins from the Coin Box

You can collect the coins in the coin box by the following steps:

- 1) Unlock the coin box with the key.
- 2) Draw the coin box out and then empty the coin box.
- 3) Replace the coin box and then lock it.
- Coin Box

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COIN TRAINING OPERATE OK

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## 5. Configuration via NMS

Please use our **Network Management System – NMS** to do configuration (e.g. settings of SSID, WiFi service rate, bandwidth limit, design of login page). Please consult us or refer to the NMS User Manual for detailed operation method.

## 6. End User's Experience

The end user who just hopes to spare short time on Internet connection can directly insert coins to purchase the WiFi Internet service provided by the Device as per the following steps.

- (1) Firstly switch off the WiFi function on your smart phone (or other WiFi-enable device, like tablet/notebook).
- (2) Tap your smart phone on the sensor area as below and keep it there:
- (3) Enable WiFi connection on your phone and choose the Device's WiFi Name shown on screen ("Tap\_Coin\_wifi" by default) in the list of wireless networks.

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SSID of Device Detected by Phone

(4) When the Device screen displays "Insert Coin", you can take back your phone and insert one or more coins, the screen will display the total value of coins you inserted (e.g. 0.50 dollar) and how long of WiFi Internet service you can use (e.g. 30 minutes).

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INSERT COIN

USD: 0.50

Time: 00:30:00 Remove phone pls

(5) Now you can directly browse the Internet on your phone. Especially on iPhone/iPad/MACBook, you will see a pop-up login interface when you try to connect the device's SSID. Please click the link "here" after you insert coins. And when the interface displays "Success" and the "Cancel" button returns to "Done", you can open the browser to surf Internet.

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- (6) If you need to suspend the WiFi connection, you can directly disconnect with the ".Tap\_Coin\_wifi" in the list of wireless networks. Next time when you want to continue the WiFi connection, you can reconnect the SSID and use the remaining time until it ends.
- (7) You can enter "[www.a.com](http://www.a.com)" in the address bar to check remaining service time.
- (8) WiFi Internet service will be cut when the purchased time limit is reached (i.e. the browser will display the login interface). If you need to continue it, please disable WiFi connection and then repeat step 1~4.

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## 7. Frequently Asked Questions

**Q: It seems that some user's device cannot get WiFi connection after tapping. How to do?**

A: Please firstly disable the WiFi connection on the user's device, and then do the tapping -> enabling WiFi connection -> connecting SSID -> inserting coins. And please try to install the Tap Coin WiFi in a bright place.

**Q: How many user's device can connect to the Tap Coin WiFi at the same time?**

A: Usually we suggest 20 to 30 users connected to the Tap Coin WiFi at the same time, because more users will lower the average data speed and affect end user's experience.

**Q: What is the best bandwidth of Internet access shall I prepare for the Tap Coin WiFi?**

A: We suggest the bandwidth of Internet connection is 4 to 20 Mbps per unit for optimal use.

**Q: Can I change the SSID and WiFi service price, and check the revenue records?**

A: If you need to change these settings by yourself, please contact our sales to purchase the NMS (network management system).

**Q: What is the WiFi signal range of Tap Coin WiFi?**

A: It's around 100 meters (outdoor) / 30 meters (indoor) and will vary with actual installation environment.

**Q: Why the screen shows "No Internet"? / Why Tap Coin WiFi refunds coins?**

A: The Internet connection to the Tap Coin WiFi is cut or not stable.

## 8. Error Messages & Remedy

Screen Display	Remedy
No Internet	Please check the Ethernet cable connection or replace the Ethernet cable. If you connect the Ethernet cable to your computer, you shall be able to browse Internet without special settings.
NMS Trying	Same as above.
“Logging in...” or “Registering in...” Or “Please wait” and “Registering in...” displayed alternately	Please check the connection of cable as per the photo below. You can pull the connector out and then plug it again. (on the door)
Communicating...	Please contact us for further solution.
Out of Service	You have disabled the Device via NMS. That means the Device will not provide WiFi hotspot service.

## 9. Technical Specifications

### Environmental Conditions

- - Temperature: 5°C to 45°C (operation) / -10°C to 60°C (storage)
- - Humidity: 10% ~ 85% non-condensing

### Power Requirement

- - External adaptor (input: 100~240 VAC, 50/60 Hz / output: 12VDC, 1A)
- - Power consumption: 10 watts

### WiFi Operation Range

Radius up to 100 meters (outdoor) / 30 meters (indoor)

### WiFi Frequency Range

#### Supported 4G Frequency Bands (optional)

BAND 2.412 to 2.484 GHz (and 5.150 to 5.875 GHz, optional)

LTE FDD: DD800/900/1800/2100/2600MHz

#### Supported Max. 4G Data Speed (optional)

LTE FDD: Cat4 Download: 150Mbps / Upload: 50Mbps @20M BW

### Supported Device for Tapping

### Networking

#### Remote Management via NMS (optional)

Any WiFi-enabled mobile phone, tablet, laptop, PSP, PDA, etc.

- - IEEE 802.11 b/g/n Wireless LAN

- - Zero end-user configurations

### **Authentication**

Built-in user authentication and accounting

- - Setting of WiFi name, WiFi service price, data speed limit
- - Revenue records of WiFi Internet service
- - Supervision on running status of each machine

### **About Coins**

- - Coin Acceptance: 15 different types
- - Usable Coins: Diameter: 16mm ~ 31mm, Thickness: 1.2mm ~ 3.2mm
- - Coin Box Capacity: 1 liter (optional metallic coin box: 2.7 liters)

### **Structural**

- Housing Material: ABS plastic

- - WAN Interface: 1x RJ45 port, or built-in 4G USB modem (optional)
- - Antennas: 1x WiFi (built-in), or 1x 4G (optional, built-in USB modem)
- - LCD: 4-line, 128X64 pixels, backlight supported, shock resistance  $\geq 4,000N$
- - Dimensions: 350mm X 270mm X 200mm
- - Weight: 4 kg
- - Packing Dimensions: 430mm X 320mm x 240mm
- - Packing Weight: 4.4 kg

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## **10. After-Sale Service**

Your satisfaction is our priority. Offering a quick and effective technical support, we always put the customer first. Please don't hesitate to contact us by the following ways if you have any questions.

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