



# Configuration Guide

For Facebook Portal Authentication

Wireless Controller (AC500 / AC50)

1910012226 REV1.0.0

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# CONTENTS

<b>1</b>	<b>Overview .....</b>	<b>1</b>
1.1	Facebook Portal Introduction .....	1
1.2	Network Topology for Facebook Portal.....	2
1.3	Facebook Authentication Process .....	2
<b>2</b>	<b>Configure Facebook Portal.....</b>	<b>3</b>
2.1	Upgrade the Firmwares .....	3
2.2	Configure Facebook Page.....	3
2.3	Create SSID on AC.....	6
2.4	Configure Default Gateway and DNS on AC.....	7
2.5	Configure Facebook Portal on AC .....	8
<b>3</b>	<b>Test the Configuration Result.....</b>	<b>10</b>

# 1 Overview

On the latest Wireless Controller AC500/AC50 (V1\_170706 or above), we newly develop a powerful portal feature: Facebook Portal. To help users easily understand and enjoy the new feature, this configuration guide detailedly introduces what Facebook Portal is and how to configure Facebook Portal.

## 1.1 Facebook Portal Introduction

In Facebook Portal authentication, when customers connect to your Wi-Fi, they will be redirected to your Facebook page. To access the internet, customers need to pass the authentication on the page.

The following introduces the main advantages of Facebook Portal, which may help you determine when or whether you should choose Facebook Portal on your network.

- Advertising Business

Users connected to your Facebook Wi-Fi will be redirected to your Facebook page where displays the desired information, such as pictures, videos, announcements and your phone number for customer feedback. Additionally, users can log in with their Facebook accounts and check in on your Facebook page and leave a record in the Timeline, which may help advertise your business.

- Simple Network Access Authentication

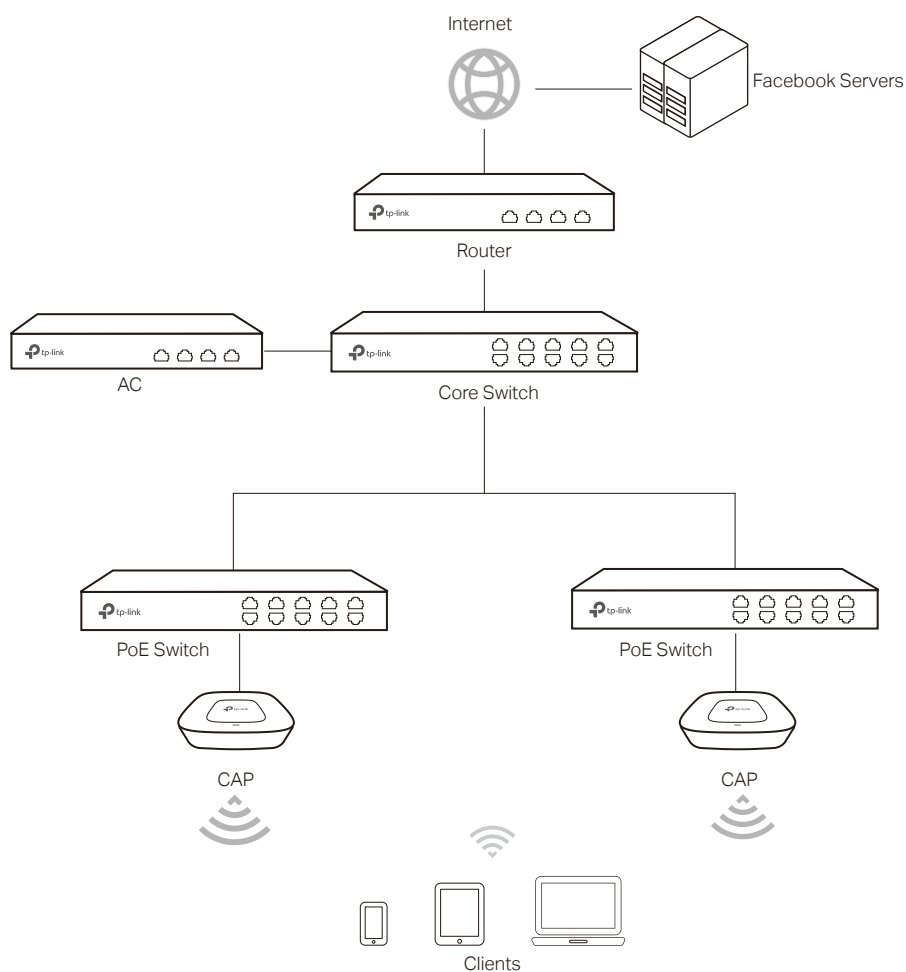
Some countries and regions would require network service providers to authenticate users. For example, Russia requires all users to be authenticated before accessing the public Wi-Fi. Facebook Portal is a simple and effective access authentication method. With Facebook Portal, your customers only need to connect to your SSID, and log in to their Facebook accounts or skip check-in to get authenticated.

- Feedback Collection

On your Facebook page, you can collect the customers' comments, likes and feedback, which are very helpful for your service quality improvement.

## 1.2 Network Topology for Facebook Portal

The following figure shows the network topology for Facebook Portal.



## 1.3 Facebook Authentication Process

The process of accessing the internet via Facebook Portal authentication is as follows:

- 1) Users connect to the SSID for Facebook Portal and obtain the Facebook authentication page.
- 2) On the authentication page, there are two available authentication modes:
  - Facebook Login Mode: Users need to log in to their Facebook accounts and check in on your Facebook page.
  - Skip Mode: Users needn't log in to their Facebook accounts. To get authenticated, they only need to enter a Wi-Fi code or simply skip the sign link.
- 3) After authenticated, users will be redirected to the authentication result page. They can continue to visit your Facebook page.

# 2 Configure Facebook Portal

This chapter introduces how to configure Facebook Portal. The configuration overview is as follows:

- 1) Upgrade the firmwares.
- 2) Configure Facebook page.
- 3) Create SSID on AC.
- 4) Configure the default gateway and DNS on AC.
- 5) Configure Facebook Portal on AC.

## 2.1 Upgrade the Firmwares

To get the newly developed Facebook Portal feature, make sure that both of your AC and CAP are upgraded to the latest firmwares:

- AC: V1\_1707076 or above
- CAP: V1\_170601 or above

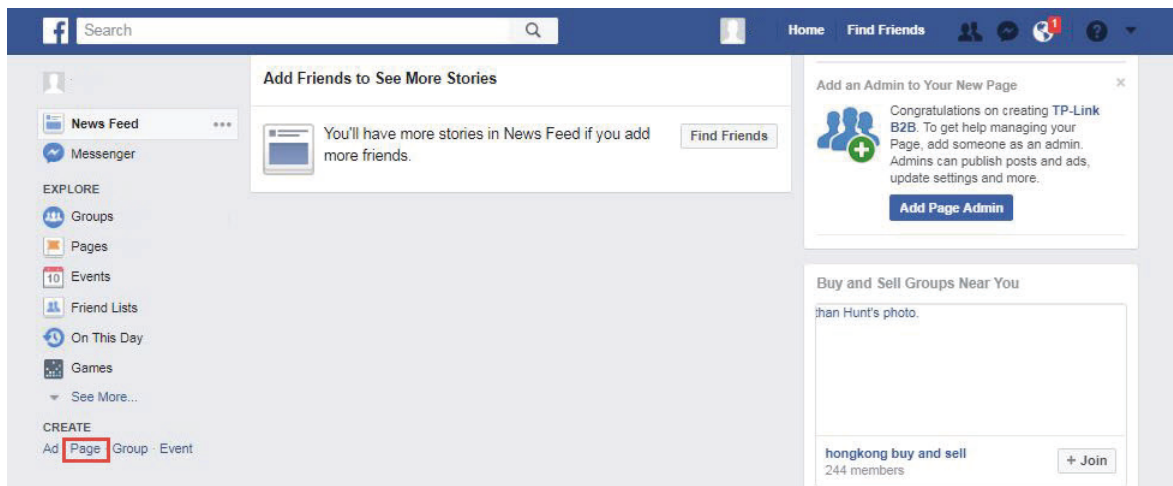
Go to the download center <http://www.tp-link.com/en/support/download-center> and search your AC and CAP models. Then download the latest firmware files one by one and upgrade the AC and CAPs using the proper downloaded firmware files.

## 2.2 Configure Facebook Page

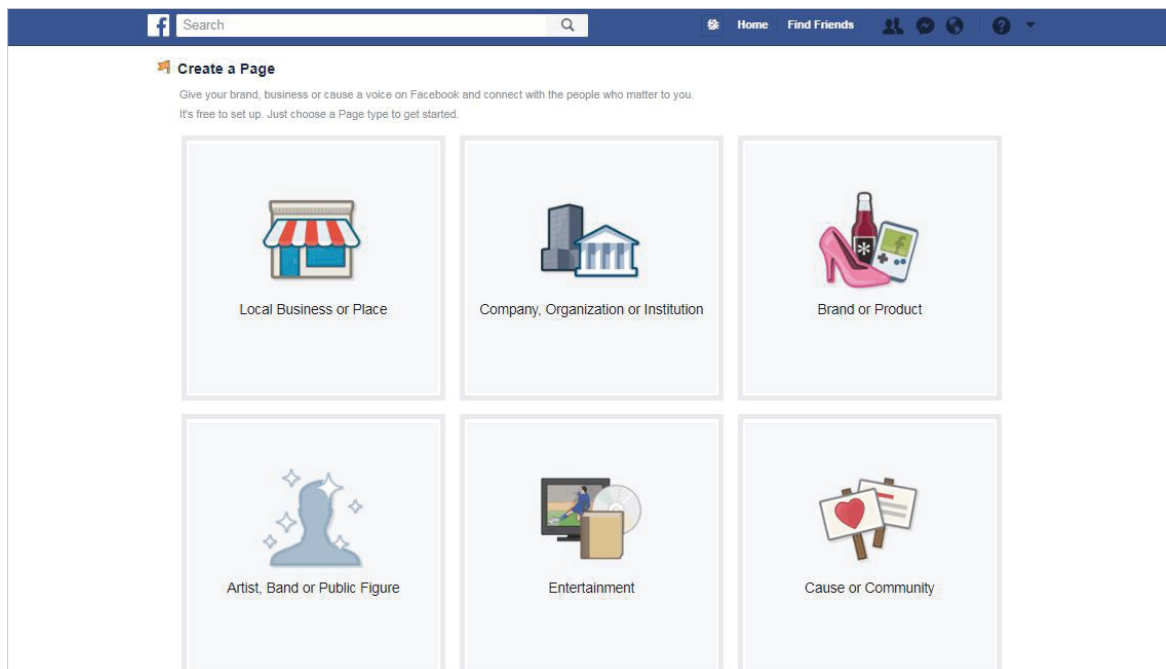
If you already have a Facebook page, you can skip this section. If not, follow the steps below to create a Facebook page:

- 1) Go to the Facebook official website [www.facebook.com](http://www.facebook.com) and create a new account with your email or phone number.
- 2) Log in with your new account.

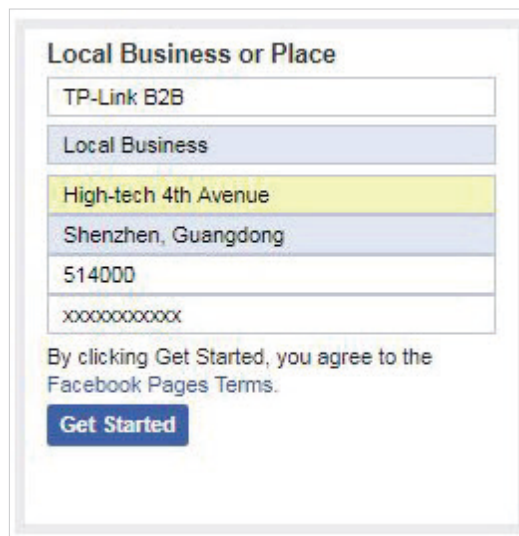
- 3) In the **CREATE** section at the bottom left corner, click **Page**.



- 4) The following window will appear. Choose a type of Facebook page to be created. The available options include **Local Business or Place**, **Company, Organization or Institution** or **Institution** and so on.



- 5) Enter the required information and click **Get Started**. The following figure takes **Local Business or Place** as an example. Then the Facebook page will be created.



The screenshot shows a form titled "Local Business or Place" with the following fields and content:

- Business Name: TP-Link B2B
- Category: Local Business
- Address: High-tech 4th Avenue
- City: Shenzhen, Guangdong
- Postal Code: 514000
- Phone Number: xxxxxxxxxxxx

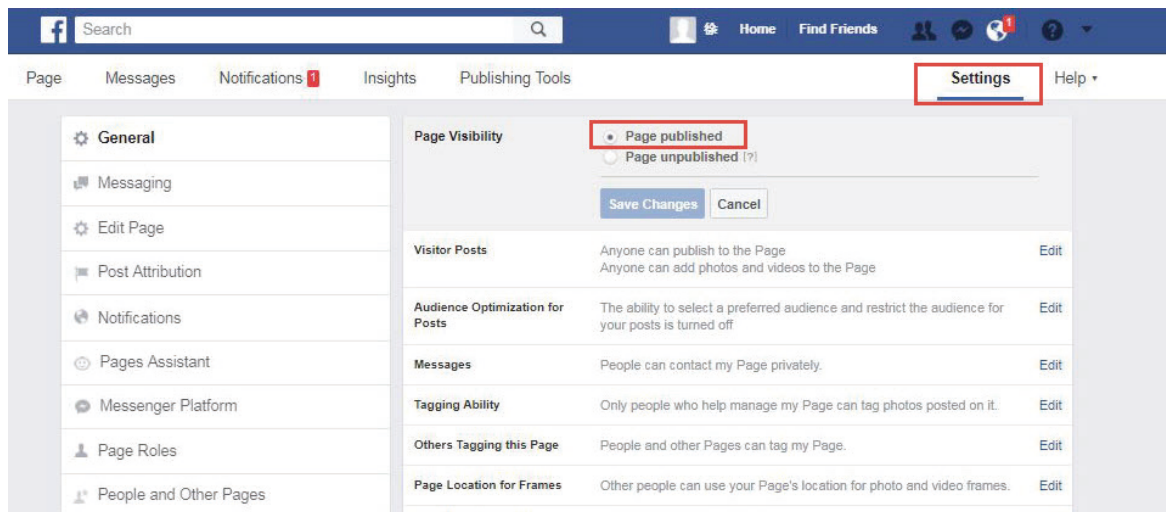
Below the form, there is a text box: "By clicking Get Started, you agree to the Facebook Pages Terms." and a blue "Get Started" button.

- 6) Customize your Facebook page according to your actual needs.



The screenshot shows the Facebook page for "TP-Link B2B". The page features a profile picture of the TP-Link logo and a cover photo of two TP-Link routers. The page is set to "Local Business in Shenzhen, Guangdong". The navigation menu on the left includes: Home, Posts, Reviews, Photos, Shop, Offers, Groups, Community, Videos, Events, and About. The main content area has a "Write something..." text box and a "Share a photo or video" button. The right sidebar shows "Local Business in Shenzhen, Guangdong", a search bar, and options to "See Pages Feed" and "Invite friends to like this Page".

- 7) Go to the **Settings** page and make sure that **Page Visibility** is set as **Page published**, so that users can access your Facebook page.



## 2.3 Create SSID on AC

Follow the steps below to create an SSID for Facebook Portal and bind the SSID to the CAP:

- 1) Go to **Wireless > Wireless Service** and click **Add** to load the following page. Specify the required parameters for the Facebook Wi-Fi and click **OK**.

Wireless

Enable
  Disable
  Add
  Delete
  Search




ID	SSID	Description	Security	Status	Radio Binding	Operation
--	--	--	--	--	--	--

Status:  Enable  Disable  
 SSID:  (1-32 characters)  
 Description:  (1-32 characters, optional)  
 AP Isolation:  Enable  Disable  
 Security:


- 2) The SSID is created successfully. Click  .

Wireless

Enable
  Disable
  Add
  Delete
  Search

ID	SSID	Description	Security	Status	Radio Binding	Operation
1	Facebook_Wi-Fi	Facebook	---	Enabled <input checked="" type="checkbox"/>		 







3) Select the CAP and click  **Bound** to bind the SSID to the CAP.

Wireless

SSID:

Select the Group:


VLAN Binding:  (1-4094, optional)

[Back to Wireless](#)  **Bound**  Unbind  Search  Global Search


<input checked="" type="checkbox"/>	ID	AP Name	Radio Frequency	Radio Mode	Binding Status	VLAN Binding
<input checked="" type="checkbox"/>	1	CAP300-0000	1(2.4GHz)	802.11b/g/n	Unbound	---


## 2.4 Configure Default Gateway and DNS on AC

To ensure the AC can communicate with the Facebook servers, you need to set correct default gateway and DNS on your AC.

Go to **Network > Interface** and click  to edit the interface which is connected to the gateway router. Specify the correct Default Gateway address and DNS address according to your actual network environment. Click **OK**.

Interface Settings

[+ Add](#) [- Delete](#)  Search

<input type="checkbox"/>	ID	Interface Name	Connection Status	VLAN	IP Address	Subnet Mask	Default Gateway	Operation
--	1	GE1	Connected <a href="#">Detail</a>	---	192.168.0.253	255.255.255.0	192.168.0.200	

Interface Name:  (1-12 letters, digits or underscores)

Connection Type:

IP Address:

Subnet Mask:

**Default Gateway:  (Optional)**

MTU:  (576-1500)

**Primary DNS:  (Optional)**

Secondary DNS:  (Optional)

MAC Address:

Description:  (1-50 characters, optional)

## 2.5 Configure Facebook Portal on AC

Go to **Authentication > Portal Authentication > Facebook** and click **Add** to load the following page.

Facebook

Enable
  Disable
  Add
  Delete
  Search

<input type="checkbox"/>	ID	SSID	Configuration	Facebook Page	Description	Status	Operation
--	--	--	--	--	--	--	--

Status:  On  Off

SSID:

Configuration:

Facebook Page:

Description:  (1-50 characters, optional)

Follow the steps below to configure Facebook Portal:

- 1) Enable Facebook Portal and select an SSID for Facebook Wi-Fi.
- 2) Click the **Configuration** button and AC will automatically connect to the Facebook server.
- 3) If you have been logged in to Facebook, you can skip this step and directly refer to the step 4). If not, the Facebook login page will appear. Enter your account information to log in.

i You must log in to continue.

**Log into Facebook**

You must log in to continue.

or

[Forgot account?](#)

- 4) The following page will appear. Configure the required parameters according to the help information on the page. For example, select **Facebook Page** as **TP-Link B2B**, set

**Bypass Mode** as **Require Wi-Fi code**, and set **Session Length** as **Five hours**. Click **Save Settings**.

### Facebook Wi-Fi Configuration

AC500 v1.0 20170808020259

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#### Facebook Page

To use Facebook Wi-Fi you need to be the admin of a local business Page that has a valid location associated with it.

TP-Link B2B ▼

#### Bypass Mode

Your customers always have the option to skip checking in. They can do this by clicking on a link that lets them skip check-in, or by entering a Wi-Fi code that you provide to them.

Skip check-in link [?]  
 Require Wi-Fi code [?]

#### Session Length

Select the length of time your customers will have Wi-Fi for after they check in.

Five hours ▼

#### Terms of Service

Optional: Add your own Terms of Service [?]

[Visit Help Center](#)
Save Settings

- 5) After the Facebook page is successfully got by the AC, the name of the Facebook Page will be displayed on the AC. Click **OK**.

Facebook

✔ Enable
✘ Disable
+ Add
- Delete
🔍 Search

☐	ID	SSID	Configuration	Facebook Page	Description	Status	Operation
--	--	--	--	--	--	--	--

Status:  On  Off

SSID:

Configuration:

**Facebook Page:**

Description:  (1-50 characters, optional)

# 3 Test the Configuration Result

After all configurations are completed, you can follow the steps below to test whether your Facebook Portal works normally.

- 1) Enable the Wi-Fi feature of your mobile phone.
- 2) Search and connect to the SSID for Facebook Portal.
- 3) The default web browser on the mobile phone will pop up and the Facebook authentication page will appear.

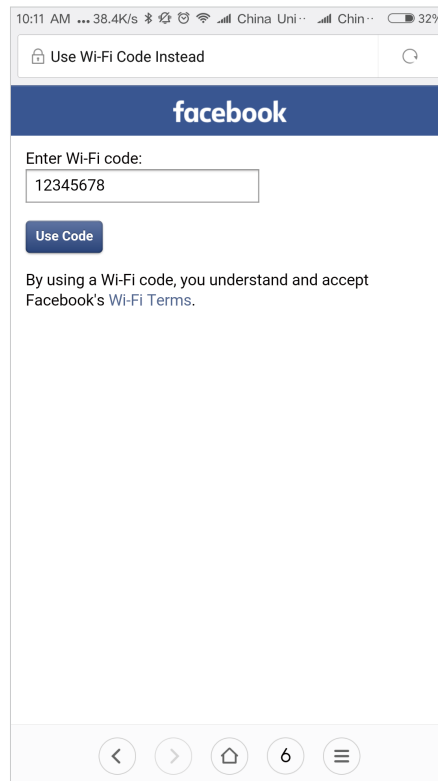


## Note:

- Generally, the web browser pops up automatically. But if the web browser does not pop up, you can manually launch the web browser and visit any http website. Then the authentication page will appear.
- In Facebook Portal, all the https websites are available before authentication. So it does not mean that you have passed Facebook Portal authentication if you can access an https website.

- 4) To pass the authentication, log in with a Facebook account or choose **Use Wi-Fi Code Instead**. For example, you can choose **Use Wi-Fi Code Instead**.

- 5) The following page will appear. Enter the Wi-Fi code: **12345678**. Click **Use Code**.




- 6) After authenticated, you will be redirected to the authentication result page, and you can stay on this page or continue browsing.



If all the steps above are completed, the Facebook Portal feature works normally.

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