

NEOWAVE OTP Manager Applications User Guide

PRESENTATION

NEOWAVE OTP Manager is an application that allows you to configure and use OTP (One-Time Password) authentication with your Winkeo or Badgeo device.

OTP authentication is a form of multi-factor authentication (MFA). It should be used in conjunction with your password to add an extra layer of security.

HOW DOES IT WORK ?

You can use OTP with most existing services (apps, websites, VPNs, etc.).

Simply go to the settings of the desired service and look for the option to set up two-factor authentication.

A QR code will then be displayed; it contains a secret key that you can sometimes view and copy.

Example with Dropbox:

Set up 2-factor authentication

Set up your authenticator app

Step 1
Using your authenticator app, scan this QR code or manually enter the secret key:

Secret key:
pzur mfg5 6tso mq7e 2zsd 3ijy ty

Step 2
Enter the confirmation code you see on your authenticator app.

Confirmation code
Enter 6-digit code

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Set up 2-factor authentication

Choose how to receive the security code you'll need each time you log in.

☒ **SMS text message**
Security codes will be sent to this phone number

☐ **Authenticator app**
Security codes will be generated by an authenticator app

[Learn more](#) [Submit](#)

Then, open the NEOWAVE OTP Manager application to complete the setup.

Using the PC Application

The application is available for Windows, macOS, and Linux and can be downloaded from the NEOWAVE website: <https://neowave.fr/en/downloads/>

- Plug in your Winkeo or insert/scan your Badgeo.
- Open the app.
- Click the "Add account" button to set up your new OTP account.

The image displays two screenshots of the NEOWAVE OTP Manager application interface.

Left Screenshot: The main application window titled "NEOWAVE OTP MANAGER". It features a blue header bar with the application name and a search icon. Below the header, there is a button labeled "+ Add an account" with a red arrow pointing to it. The status bar at the bottom shows "S/N : 1228317183201506".

Right Screenshot: The "Add OTP Account" form. It has a blue header bar with the application name and a search icon. The form contains the following fields:

- Issuer :** A text input field containing "Dropbox". A red arrow points to this field with the label "Enter the issuer (the service name)".
- Account name * :** A text input field containing "neowave@example.com". A red arrow points to this field with the label "Enter the account name".
- Secret key (Base32) * :** A text input field containing a masked secret key (represented by dots). A red arrow points to this field with the label "Paste the secret key". To the right of the field is a "Paste" icon (a blue square with a white 'P').

Below the secret key field, there is a link labeled "Advanced options" with a downward arrow. At the bottom of the form is a large blue button labeled "Add account".

If you are unable to manually paste the secret key, take a screenshot of the QR code, save it to your PC, and import it by clicking the  button

NEOWAVE OTP Manager

S/N : 1228317183201506

Add OTP Account

Issuer :

Dropbox

Account name * :

neowave@example.com

Secret key (Base32) * :

.....

Advanced options ▲

TYPE: TOTP, ALGORITHM: SHA1, DIGITS: 6, TIMESTEP (S): 30

Add account

Import QR Code button.

Advanced Options tab: Do not touch this in 99% of cases. Leave the default values.

However, if the service specifies particular settings during configuration, you will need to enter them here (*).

- Click "Add account"

NEOWAVE OTP Manager

S/N : 1228317183201506

+ Add an account

Dropbox

neowave@example.com

.....

Click to view
and copy the OTP code

NEOWAVE OTP Manager

S/N : 1228317183201506

+ Add an account

Dropbox

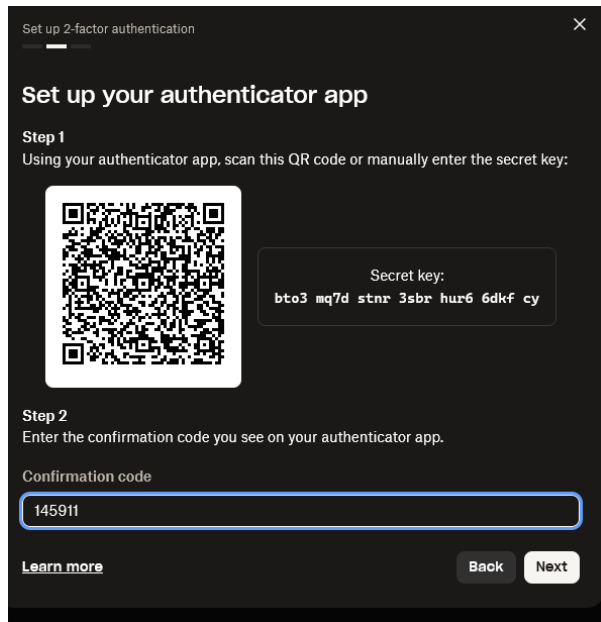
neowave@example.com

927 482

The code expires after
30 seconds.

You have just saved the secret key to your Badgeo or Winkeo, and it can now generate your OTP codes for this account.

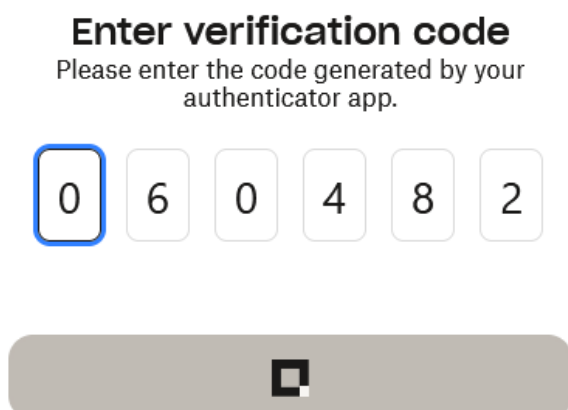
- Paste the OTP code into Dropbox to confirm and complete the setup.



From now on, whenever you wish to log in to your service, you will need to:

Enter your password, then:

- Open the NEOWAVE OTP Manager application
- Connect or scan your OTP-compatible NEOWAVE product
- Copy and paste the requested OTP code:



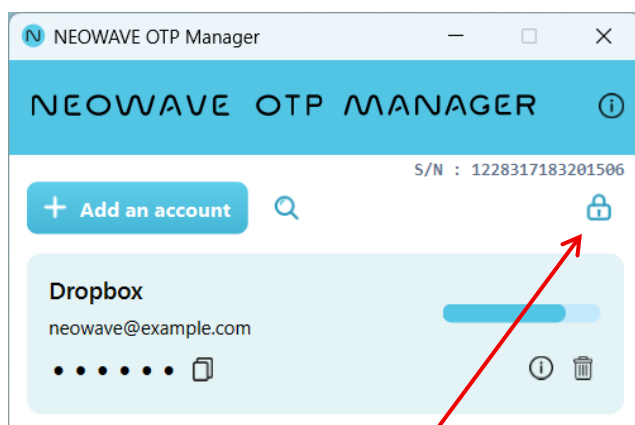
That's it! You are now connected.

SET UP A PIN CODE

You can add a PIN to access your OTP accounts to protect them in the event that your device is lost or stolen.

Information:

- If you have older Winkeo or Badgeo FIDO2 + OTP devices, the PIN feature may not be implemented. The PIN code is available starting with version 2.1.8.7 of the applet (the application embedded in the physical device).
- The PIN can contain between 4 and 63 characters.
- The number of allowed attempts can be customized when creating the PIN, ranging from 3 to 15.
- After exhausting all your attempts, the OTP function of your Winkeo or Badgeo FIDO2 + OTP device will be locked. You will no longer be able to recover your OTP accounts. Your only option will be to reset the OTP application, which will delete all your OTP accounts and your OTP PIN.
- The PIN is stored in the application's memory and expires after 5 minutes of inactivity. After this time, you will need to re-enter it.
- The PIN is associated with the device's serial number. If your device does not have a serial number, the PIN is not cached by the application.

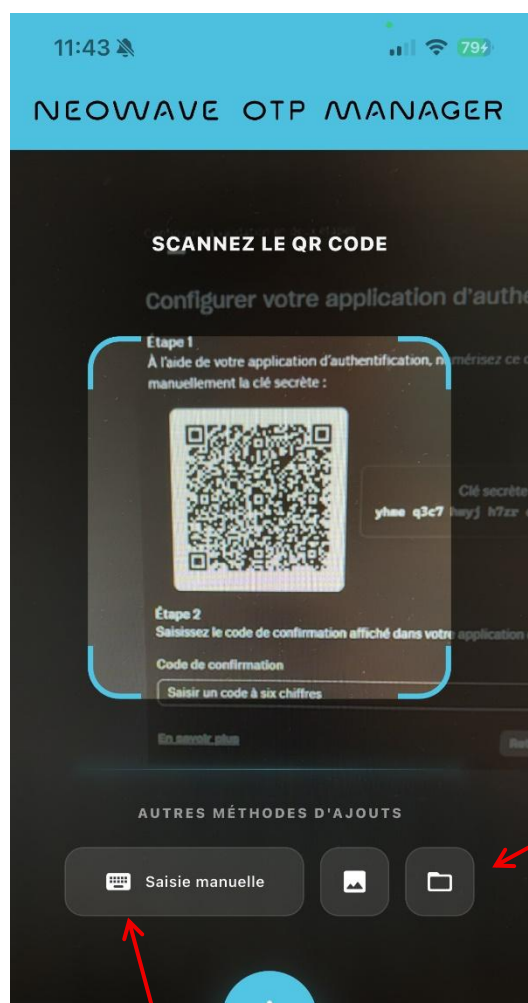


Click here to access the PIN management page.

Using the mobile application

The application is available for iOS and Android smartphones. It can be downloaded directly from the Apple App Store or Google Play Store by searching for "NEOWAVE OTP Manager".

- Open the application
- Plug in your Winkeo or scan your Badgeo
- Click the "+" button to add an account by scanning the QR code

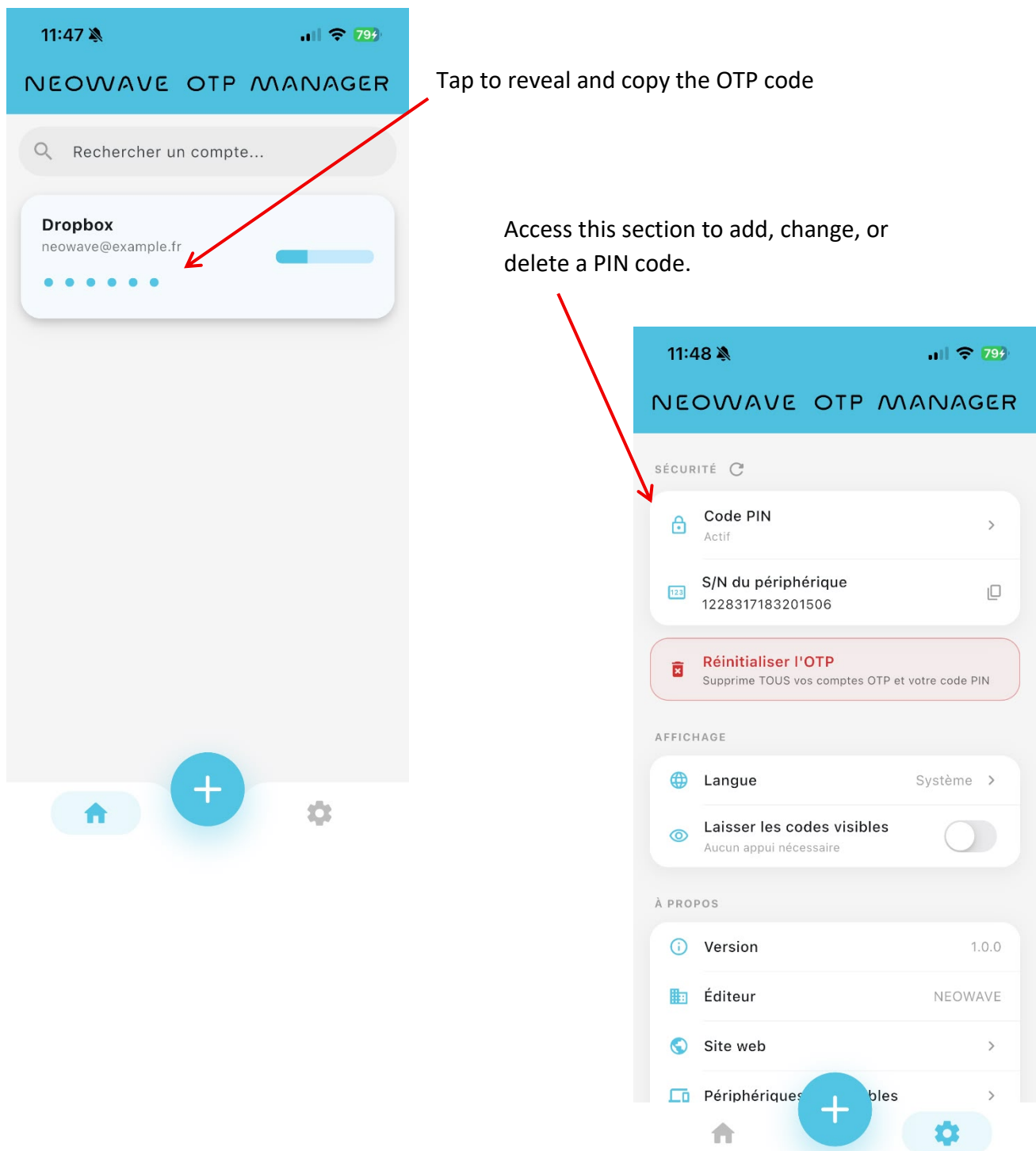


You can also import an image or a file containing a QR code.

You can also enter the secret key manually and access the advanced settings (*).

If you use a Badgeo, you will need to scan your badge again for each operation, i.e., every time an OTP code expires. Make sure to hold your badge against the NFC antenna of your smartphone, located on the back of the device (usually near the camera).

Tip: If you have an iPhone, hold your Badgeo card horizontally against the upper part of your smartphone, covering the entire top section. If you have an Android device, the NFC antenna may also be located in the middle of your smartphone.



** Note for Advanced options :*

These parameters allow for the adjustment of OTP generation options in accordance with the technical requirements of certain services.

The customizable parameters for our products are:

The OTP type:

TOTP stands for Time-based One Time Password, the most common type; codes are generated for a defined period.

HOTP stands for HMAC-based One Time Password, less used, based on an incremental counter: codes are valid for one use only.

The hashing algorithm:

It defines the robustness of the HMAC calculation used to generate OTP codes.

Supported algorithms: SHA1, SHA256, or SHA512.

The length of the generated OTP code:

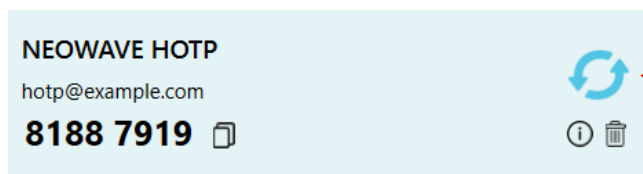
Supports 6, 7, or 8 digits.

For TOTP - the validity period of the codes:

30 or 60 seconds

For HOTP – the initial counter value

Example of an 8-digit OTP account:



HOTP codes must be generated using this button. Be careful not to press it multiple times.