نواین پی سی | 9PC

دفترچه راهنمای رسمی مودم NEC X12

ترجمه فارسی راهنمای رسمی NAR03



منبع اصلی: راهنمای رسمی NEC Platforms / au
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9pc.ir

فروشگاه نواین پی سی

Instruction Manual

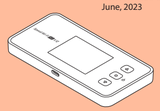
Setup Guide

NWA-A16520-001-00
June, 2023

Read this to connect and configure the product

Speed Wi-Fi 5G X12

Technically Certified



Preface

Thank you for buying the Speed Wi-Fi 5G X12 (simply called the "product" from here on).
Before using the product, be sure to read the "Setup Guide" (this manual) and the "Notes on usage" to ensure correct use.

List of Packaged Items

Before you start using the product, make sure that you have all the following items packaged with the product.

- ☐ Speed Wi-Fi 5G X12 main unit



- ☐ つなぎかたガイド "Setup Guide" (Japanese)
- ☐ ご利用にあたっての注意事項（保証書）"Notes on usage" (with warranty) (Japanese)

* Keep the packaged items, including the warranty, in a safe place.
* An AC adapter and USB cable are not included. Purchase the specified charging equipment (sold separately) and USB cable (commercially available). For details, see "Related Accessories" in "Notes on usage".
* The battery is built-in to the product.
* The illustrations of the product used in this manual are simulated images. They may differ from the actual product.

About the Instruction Manual

"Setup Guide" (this manual), "Notes on usage":
Explains precautions and information needed before using the product for the first time.
"取扱説明書 詳細版 (Full Instruction Manual)" (Japanese):
Explains the various functions, operations, and settings of the product in detail.
Confirmation is possible at the WiMAX Support Information website.
https://www.necplatforms.co.jp/support/wimax/x12/index.html (in Japanese only)

- In this manual, the "Setup Guide" (this manual), "Notes on usage", and " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese) are collectively referred to as the "Instruction Manual".
- The latest PDF versions of the "Instruction Manual" can be downloaded from the WiMAX Support Information website.
  https://www.necplatforms.co.jp/support/wimax/x12/index.html (in Japanese only)
- Can be downloaded from the au website.
  https://www.au.com/support/service/mobile/guide/manual/ (in Japanese only)

About the Notations in This Manual

Notes on Illustrations / Screenshots

- In this manual, the "au Nano IC Card 05" (for au contracts) and the "au Nano IC Card 05 U" (for contracts with WiMAX operators other than au) are referred to as a "SIM card".
- In this manual, both au and WiMAX operators other than au are referred to as a "telecommunications carriers".
- Unless specified otherwise, this manual describes the screenshots, operating procedures, etc. with the au SIM card installed.
- The illustrations and screenshots in this manual are simplified and may look different from the actual product and screens. Also, a part of a screen may be omitted.
- This manual uses the display of the body color "Ice White" to explain examples.
- In this manual, the "X12 cradle (sold separately)" is referred to as the "cradle (sold separately)".
- Company names and product names referred to in this manual are trademarks or registered trademarks of their respective companies. TM and the ® mark may be omitted in this manual.

About button operations

- Use the △ button and ▽ button, from the home screen, open the main menu, select "Mobile network" (mobile), then use the ○ (enter) button to open the Mobile network screen as shown below.
  From the home screen, open the main menu, "Mobile network" (Mobile)

Before using the product

The product can transmit data to a wireless base station by using the 5G system, LTE system, and WiMAX 2+ system. You can select from the following communication modes to use this.

- Regarding how to select and set the transmission modes, refer to "4-2 通信モードを切り替える (Switching Transmission Modes)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

ST (Standard) mode	Connect via the 5G, LTE, or WiMAX 2+ network.
+A (Plus Area) mode	Connect via the 5G, LTE, or WiMAX 2+ network. Transmission is possible in a wider area than in "ST (Standard) mode".

*If you move to an area in which communications using "ST (Standard) mode" are not possible, the "Onetime +A (Plus Area) mode" is available to switch the mode to the "+A (Plus Area) mode" temporarily.
* The default setting is "ST (Standard) mode". An additional charge, depending on your billing plan, may be incurred when you switch to using "+A (Plus Area) mode" or "Onetime +A (Plus Area) mode".

- Regarding connecting the product to a smartphone or PC, or the like, refer to "**STEP3** Connecting to Wireless LAN (Wi-Fi®)".
- If you have an au contract, then data transmission is possible overseas by using the LTE system and UMTS system. For details, refer to "au World Service support (for au contracts)" in "What the Product Can Do" or "10-1 au 世界サービスについて (About au World Service)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

What the Product Can Do

Wireless LAN (Wi-Fi®) Connections

This manual explains how to connect to a smartphone or PC using wireless LAN (Wi-Fi®).
You can connect a maximum of 16 devices.



USB Cable (Commercially Available) Connections

Refer to "3-2 USB で接続する (Connecting via USB)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

- You can use wireless LAN (Wi-Fi®) connections and USB connections at the same time. By combining these, you can connect a maximum of 17 devices.



* Depending on the ambient reception environment, the number of connected devices may not reach the limit.
* Communication speed may not reach the maximum value, depending on the connection environment, etc. Furthermore, online gaming may not operate normally depending on the connected devices, the game, and other factors.

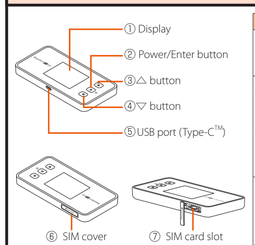
au World Service support (for au contracts)

The au World Service are services that allow you to use the product overseas, the same as it is used in Japan. The product can use the UMTS/LTE network according to your travel destination.

- Payment is easy because the usage fee is added to your Japan domestic invoice, without the need for special applications or fixed monthly fees.
  * For a new subscription, overseas usage is possible after one day.
  However, for subscriptions via the online shop, overseas usage cannot start until 2 days after the product is first used in Japan.
- For details, such as which countries are supported, fees, and other services, check out the au website or Customer Center.
  ■ Learn about target areas and fees
  https://www.au.com/english/mobile/service/global/au-world-service/area-charge/
  ■ About applicable data transmission fees and how to use data transmission overseas
  https://www.au.com/mobile/service/global/au-world-service/check/ (in Japanese only)
  ■ Use by customers overseas *Be sure to confirm before traveling
  https://www.au.com/information/notice_mobile/global/ (in Japanese only)

* Does not include any discounted services or data transmission fixed fee/discounted services in Japan.
* Consumption tax is not added to user fees for various international services.
How to set up the product: From the home screen, open the main menu, "Mobile network" (Mobile) - "Roaming" - select/enter "International roaming" (Roaming) to enable it

Part Names and Functions



Name	Function	
① Display	Lets you view the status of this product and notification information. You can also check information for the product and do major settings.	
② Power/Enter button ○	Turns the power on/off.	
	Short press	Turns display on/off.
		Enters menus and items in the display.
	Long press (about 2 seconds)	Displays the power options (power off, sleep mode, restart).
③△ button △	Short press	Opens settings screen and moves cursor upward.
	Long press (about 2 seconds)	On the settings screen, turns the display off.
④▽ button ▽	Short press	Opens settings screen and moves cursor downward.
	Long press (about 2 seconds)	On the settings screen, returns to the home screen.
⑤ USB port (Type-C™)	Used to connect the USB cable (commercially available) to the product, or when placing the product on the cradle (sold separately).	
⑥ SIM cover	The SIM card slot is under the SIM cover. Always close it while using the product.	
⑦ SIM card slot	Insert the SIM card into this slot.	

- The antenna is built-in. Covering the product with your hand during communication may affect the communication quality.
- Do not remove the exterior case. Forcibly removing it might cause damage or malfunctions. Also, the battery is internal and cannot be removed.

Examples of Button Operations

Displaying the "Mobile network" screen



Displays the "System" screen



- On the settings screen, long press the △ button for about 2 seconds to turn the display off.
- On the settings screen, long press the ▽ button for about 2 seconds to return to the home screen.

Downloading the App for Your Smartphone

By using "NEC WiMAX +5G Tool", an application designed especially for this product, it is possible to view information about the product on your smartphone, etc. and perform operations to update the software or change to the sleep mode. (Refer to "5-2 スマートフォンアプリを使う (Using Smartphone Application)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).)

* Operating this specialized application allows you to do remote activation. Search the Google Play Store or App Store for "NEC WiMAX +5G Tool" to download and install this specialized application.
  • Supported versions are Android 7.0 and later, iOS 13.0 and later, and iPadOS 13.0 and later.



<Google Play Store> <App Store>

(As of June, 2023)

* The "NEC WiMAX +5G Tool" smartphone application has a Japanese user interface.
* Settings cannot be done on this product with "NEC WiMAX +5G Tool" while the product is being operated. In addition, operating the product while doing settings via "NEC WiMAX +5G Tool" may interrupt the settings being done with "NEC WiMAX +5G Tool". Leave the display showing the home screen.

Using Smartphone App

* The "NEC WiMAX +5G Tool" smartphone application has a Japanese user interface.

What you can do with app

- You can do the following things by using "NEC WiMAX +5G Tool", a specialized app for this product.
  • Check signal strength of 5G/LTE/WiMAX 2+
  • Switch transmission modes
  • Confirm Software Version
  • Check contracted phone number
  • Check data usage
  • Restart the product
  • Start WebUI
  (For details, refer to "5-2 スマートフォンアプリを使う (Using Smartphone Application)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).)

Checking data usage

- Display this month's data usage on the main screen.

- Tap " 月間 (1 month)" to display a graph.

Switch transmission modes, restart, confirm phone number

- To change transmission modes, in the main screen, ⚙ (設定 (Settings)) - in the " モバイルネットワーク設定 (Mobile Network Settings)" screen select "ST : スタンダードモード (Standard mode)" or "+A: プラスエリアモード (Plus Area mode)".

- To restart, in the main screen, ⚙ (設定 (Settings)) - in the " システム (System)" screen select " 再起動 (Restart)".
- To confirm the contracted phone number, in the main screen, tap ☰ (情報 (Information)).

Wireless LAN (Wi-Fi®) connections

Tap ☰ (Menu) - "設定ウィザード (Setup Wizard)".



Tap " 設定を開く (Open Settings)".



• Depending on the version of your smartphone's OS, "QR コードを読む (Read the QR code)" may appear. If this happens, tap "QR コードを読む (Read the QR code)" to activate your smartphone's camera.

Tap "Settings".



Tap ⁞⁞ (QR mark).



In the Camera View screen, read the "Wi-Fi QR Code" from the product's display.



• How to display: From the home screen, open the main menu, "Wi-Fi/LAN" - "Easy Wi-Fi Settings" (Easy Wi-Fi) - "Wi-Fi QR Code" (QR Code) - Read the confirmation screen and select/enter "YES", then a QR code is displayed

Input the administrator (WebPW) password in Step2.
Tap " 次へ (Next)".



In the " 設定完了 (Setting completed)" screen, confirm the SSID and password (encryption key), and then tap " 終了 (Exit)".



Change the administrator password (WebPW), network name (SSID) password, and encryption key in Step3 and Step4.

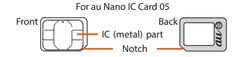
Connection is complete when the Wi-Fi icon appears in the status bar of the wireless LAN (Wi-Fi®) device.

STEP 1 Advance preparations

Inserting a SIM Card

When inserting a SIM card, be sure to turn off the power to the product. Remove the USB cable (commercially available) and cradle (sold separately) if they are connected.

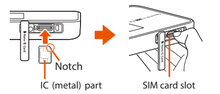
* Your telephone number and other details are stored on the SIM card, however, the product cannot be used to make or receive voice telephone calls, etc.
* This product supports au Nano IC Card 05 and au Nano IC Card 05 U.
* Data communication via a Wide Area Network (WAN) cannot be done if the SIM card is not inserted.
* Be careful not to touch or damage the IC (metal) part of the SIM card.



1 Open the SIM cover on the side of the product.
* Put a fingernail in the groove and open in the direction of the arrow.



2 Insert the SIM card straight into the SIM card slot with the IC (metal) part facing upward and press it in with your fingertip until it clicks.
* Be careful of the orientation of the notch.
* Confirm the correct inserting direction of the IC card. Failure to do so might cause a malfunction or damage.
* Refrain from inserting an SD card or IC card with a conversion adapter. Doing so might cause a malfunction.
* Do not insert or push the IC card forcefully. Failure to do so might cause a malfunction or damage.



3 Close the SIM cover.
* An error message is displayed if the SIM card is not properly inserted, or if there is an abnormality with the SIM card.
* To remove the SIM card, press the SIM card slowly inward until it clicks, when you hear the sound, slowly withdraw your finger with the SIM card. Be careful not to lose the SIM card after you remove it.

- You can confirm the product's device information (Phone Number, ICCID, etc.) on its display.
  How to confirm: From the home screen, open the main menu, "System" - "Device Information" (Device Info)

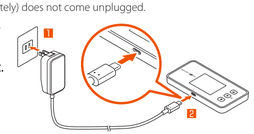
Charging

This section explains how to charge the product using the specified TypeC Common AC Adapter 02 (0602PQA) (sold separately).

* The internal battery is not fully charged at the time of purchase. Be sure to charge the battery before using the product.
* We recommend charging this product while the power is off or while it is in sleep mode.
* If the power is on, or if the temperature of the product or internal battery is high, charging may stop, even if the battery is not full, in order to maintain the battery's life. Also, if you continue charging it for a long time while the power is on, the battery enters the "Long Life Charge" state (the maximum charge capacity is about 70%) and the remaining battery power is automatically reduced gradually to protect the battery.
* The charging time varies depending on the environment and conditions in which the product is used. For the time it takes to charge, refer to the "Product Specifications" section on the next page.

1 Plug the power plug of the AC adapter (sold separately) into a power outlet.
* Make sure that the AC adapter (sold separately) does not come unplugged.

2 Insert the USB connector (Type-C) of the AC adapter (sold separately) into the USB port (Type-C) on the product.
* Plug the USB connector (Type-C) straight into the USB port (Type-C) of the product.
  • Pressing the Power button ○ when charging with the power off or while in sleep mode shows how much of the battery has been charged (%).
  • If you set "Long Life Charge" to "Use", charging stops when the battery's level is about 70%. This prevents accelerated deterioration caused by repeatedly charging and discharging the battery frequently while it has sufficient remaining power. (Default setting: Do not use)
  Operating procedure: From the home screen, open the main menu, "Display/Battery" (Disp/Batt) - "Long Life Charge" (longlife) - "Long Life Charge" (longlife)



For information on how to charge the battery on the cradle (sold separately), refer to the "X12 クレードル取扱説明書 (Instruction Manual of the cradle)" (Japanese).

Turning the Power On

1 Hold down the Power button ○ until "NEC" is displayed in the display and the product is turned on.
(The remaining battery level appears while "NEC" is displayed when you turn on the power after the power was completely off.)
* When the home screen (refer to "Displayed Information" on the next page) is displayed, proceed to **STEP3**.



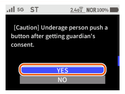
• To turn the power off, hold down the Power button ○ for about 2 seconds and select/enter "Power OFF" (Power) on the Power Option screen that appears.
• To turn the power completely off, long press the Power button ○ for about 10 seconds.

STEP 2 Preparing for Setup

1 Turn on the product's power, then when the language selection screen is displayed, select/enter "English".

Switching to English display
From the home screen, open the main menu, " 管理 (Control)" → " 言語 (Language)" → select/enter "English".

2 Read the "Favor on usage" (quality information collection) to the bottom, and, if you agree, then select/enter "YES".
(If you select/enter "NO", the Quality information collection function remains off.)



3 Read the "Button Operation Guide" to the bottom, then select/enter "OK".



4 In the Setup Wizard Start Confirmation screen, select/enter "YES" or "NO".
○ To carry over the wireless LAN (Wi-Fi®) settings of the router you have used until now, select/enter "YES", and then go to **STEP3** (a).
○ To set connections for a new wireless LAN (Wi-Fi®), select/enter "NO", and then go to **STEP3** (b), (c), and (d).



If you selected "NO" in item **4**, when the "Recommend changing WebPW etc. from WebUI" or smartphone app." screen is displayed, select/enter "Home Screen". (Refer to **STEP5**)



STEP 3 Connecting to Wireless LAN (Wi-Fi®)

Data communication can be performed by connecting wireless LAN (Wi-Fi®) devices, such as a PC, game console, smartphone, etc., to the product.
There are four connection methods, as shown below. Connect using one of these methods.

○ Copy the settings of the router that the product has used until now (Wireless LAN (Wi-Fi®) device settings do not need to be changed.) (a) Wi-Fi Settings Moving
○ Separately set connections from each wireless LAN (Wi-Fi®) device (b) Manual connection (c) Wi-Fi QR Code† (d) WPS function††

Types of wireless LAN (Wi-Fi®) devices (examples)	(b) Manual connection	(c) Wi-Fi QR Code	(d) WPS function
Smartphones/ tablets (Android™ devices)	○	○ *1	○ *2
iPad (iPadOS devices)/ iPhone (iOS devices)	○	○ *3	–
PC (Windows OS)/ game consoles	○	–	○
PC (macOS)	○	–	–

*1 Supported on Android 10 and later.
*2 WPS is not supported on some Android versions.
*3 Supported on iOS 13.0 and later, and iPadOS 13.0 and later.

† Refer to "Using Smartphone App" for how to use a Wi-Fi QR code to connect to a wireless LAN (Wi-Fi®).
†† For the procedure to connect to wireless LAN (Wi-Fi®) using the WPS function, refer to "3-1 無線 LAN (Wi-Fi®) で接続する (Connecting via Wireless LAN (Wi-Fi®))" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

(a) Using the Wi-Fi Settings Moving Function



* The router you have used until now needs to have supported WPS. In addition, some of the wireless LAN (Wi-Fi®) settings may not carry over, depending on the functions and settings (such as unusable text or encryption mode) of the router you have used until now. For details, refer to "5-3 Wi-Fi 設定お引越し機能を使う (Using the Wi-Fi Settings Moving Function)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).
* From the home screen, open the main menu, select "Wi-Fi/LAN" - "Easy Wi-Fi Settings" (Easy Wi-Fi) - "Wi-Fi Settings Moving" (Moving), to display a guidance screen.

Select "Setup Wizard".

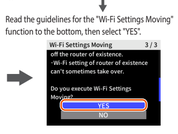


Select "YES".



(Screen from **STEP2**)

Read the guidelines for the "Wi-Fi Settings Moving" function to the bottom, then select "YES".



STEP 3

Connecting to Wireless LAN (Wi-Fi®) (continued)

Select/enter "Wi-Fi moving".



Start up the WPS function of the router you have used until now. (Refer to the user manual for the router you are using for the method to start up the WPS function.)

Select/enter "YES" in the find router screen.



Select/enter "OK" or "Home Screen" in the settings successful screen.
Turn off the power to the router you have used until now.



Next, when connecting to wireless LAN (Wi-Fi®), select/enter "YES" in the settings confirmation screen for the Wi-Fi device.



You can confirm if the "SSID" is the SSID of the router you have used until now, from the home screen, open the main menu, "Wi-Fi/LAN" - "Wi-Fi Information"(Wi-Fi Info).

You can redo the Setup Wizard from the home screen, open the main menu, "Wi-Fi/LAN" - "Easy Wi-Fi Settings" (Easy Wi-Fi) - "Setup Wizard" (Wizard).

(b) Manual Settings for Wireless LAN (Wi-Fi®) Connections

For how to connect to a wireless LAN (Wi-Fi®) device, refer to the Instruction Manual of the wireless LAN (Wi-Fi®) device.

1 Turn "ON" (enable) Wi-Fi of the wireless LAN (Wi-Fi®) device.
2 In the network list screen, tap the product's network name (SSID).
3 Input the product's password (encryption key) (single-byte lowercase letters).
Confirm the product's network name (SSID) and password (encryption key), from the home screen, open the main menu - "Wi-Fi/LAN" - "Wi-Fi Information"(Wi-Fi Info).



Wi-Fi Information

4 Tap " 接続 (Connect)" on the wireless LAN (Wi-Fi®) device.
5 Confirm on the product's display that the number on the lower right of is "1" or higher.
The number indicates the number of devices connected.

STEP 4

Verifying the Connection Status

◆If ST is displayed along with in the display and the product can be connected to the Internet, the settings are complete.



* For an explanation of each icon, see "Displayed Information".
+A appears in "+A (Plus Area) mode", and +A (green) appears in "Onetime +A (Plus Area) mode".
For details, refer to "4-2 通信モードを切り替える (Switching Transmission Modes)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

◆When a number is displayed to the lower right of on the product's display, then the wireless LAN (Wi-Fi®) is connected.

- If is displayed along with ST in the display and the product cannot be connected to the Internet:
Configure the connection destination in **POINT**.
- If the wireless LAN (Wi-Fi®) connection with the product is not established:
From the home screen, open the main menu and in "Wi-Fi/LAN" - "Other Wi-Fi Settings" (Other) - "11ac/WPA2 Settings" (11ac/WPA2) select/enter "YES", and then reconnect to wireless LAN (Wi-Fi®) as done in **STEP3**.
- If "Please checking APN settings." is displayed:
Configure the connection destination in **POINT**.

Confirm that this product has the latest software.
How to confirm: From the home screen, open the main menu, "System" - "Software Update" (Update) - Contact server about whether there is new software
If the "There is new software available. Do you want to update?" screen (image on the right) appears, select "YES" and then update.
For how to update the software, refer to "11-1 ソフトウェアを更新する (Updating Software)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).



STEP 5

Changing the Initial Password

Default Settings in Web UI

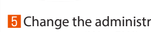
To ensure security, change the initial password (administrator password (WebPW) and the password (encryption key)) that were set at time of purchase.

Administrator Password (WebPW)	Password you need to input to log in to Advanced Settings website on the WebUI and to use the "NEC WiMAX +5G Tool" application for your smartphone. Default Confirmation Method : From the home screen, open the main menu, "Control"-"WebUI Information"(WebUI) - "Initial WebPW"
Password (Encryption Key)	Password to use with SSID when connecting to wireless LAN (Wi-Fi®). Default Confirmation Method : From the home screen, open the main menu, "Wi-Fi/LAN" - "Wi-Fi Information"(Wi-Fi Info) - "Password"

If you do not change the initial password, then the "Recommend changing WebPW etc. from WebUI or smartphone app." screen appears on the product's display after the product is turned OFF/ON, restarted, or recovers from sleep mode.

- For the browsers and versions that support WebUI, refer to " ■ About supported browsers".

1 Open the web browser on the wireless LAN (Wi-Fi®) device (such as a smartphone) connected to the product in **STEP3**.
2 Return the product to the home screen or press the Power button ○ to turn off the display.
Settings cannot be done to the product using WebUI while the display is on. Additionally, operating this product's display while doing settings on WebUI may interrupt the settings being done via WebUI.
3 Open WebUI for the product.
Type "http://192.168.179.1/" into the address bar in the web browser and either tap " 実行 (Execute)" or " 開く (Open)", or press the Enter key on the keyboard.



<< Example of Microsoft Edge's screen for PCs >>

* You can open WebUI from the "NEC WiMAX +5G Tool" smartphone application.
* The "NEC WiMAX +5G Tool" smartphone application has a Japanese user interface.
Operating procedure: In the main screen, tap ☰ (Menu) - "WebUI(クイック設定 Web) (Quick Setting Web)"

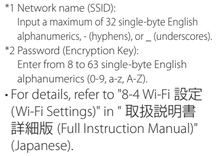


4 In the Login screen, enter the "Administrator Password (WebPW)" in "Password", and then tap or click "Login".



5 Change the administrator password (WebPW).
Enter the current administrator password in the " 初期パスワード (Initial Password)" field, and enter the new administrator password (*) in the " 新しいパスワード (New Password)" and " 新しいパスワード再入力 (Re-Enter)" fields, and tap or click " 変更 (Set)".
* Numbers 0 - 9, letters a - z and A - Z, hyphens (-) and underscores (_) may be used in the password. A password must be from 8 to 64 single-byte characters.
This password will be required every time you open "WebUI" for the product. Make sure that you do not lose this password.

Administrator Password Field / Tap or click



Administrator Password (WebPW) Memo

* Write it down in the location described in the enclosed つなぎかたガイド "Setup Guide" (Japanese).

6 In the Auto Update Software Settings screen, set " 自動バージョンアップ (Automatic Version Update)" and " 実行時刻 (Execution Time)", and then tap or click " 変更 (Set)".



7 Change the Network Name (SSID) and Password (encryption key).
In the Wi-Fi Access Point Settings screen, enter a new network name (SSID) (*1) and new password (*2), and then tap or click " 変更 (Set)".



*1 Network name (SSID):
Input a maximum of 32 single-byte English alphanumerics, - (hyphens), or _ (underscores).
*2 Password (Encryption Key):
Enter from 8 to 63 single-byte English alphanumerics (0-9, a-z, A-Z).
- For details, refer to "8-4 Wi-Fi 設定 (Wi-Fi Settings)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

* Make a note of the changed network name (SSID) and password, so you do not forget them.
Network Name (SSID) Memo:

Password (Encryption Key) Memo:

* Write it down in the location described in the enclosed つなぎかたガイド "Setup Guide" (Japanese).

STEP 5

Changing the Initial Password (continued)

8 The Wi-Fi® connection is cut off, so refer to "**STEP3** Connecting to Wireless LAN (Wi-Fi®)" on the previous page and connect to Wireless LAN (Wi-Fi®) again.
* When doing the manual connection procedure, use the network name (SSID) and password (encryption key) you changed in step 7 .

- In **STEP3**, you need to input the administrator password (WebPW) when you connect the product and wireless LAN (Wi-Fi®) and then first start up the "NEC WiMAX +5G Tool" app.
* The "NEC WiMAX +5G Tool" smartphone application has a Japanese user interface.
In ☰ (menu) - " 設定ウィザード (Setup Wizard)", input the administrator password (WebPW), and then tap " 次へ (Next)".
(Skip the steps after Step3 in the 設定ウィザード (Setup Wizard).)



- If you changed the administrator Password (WebPW) in WebUI, then the " 端末情報の取得ができません (Cannot acquire terminal information)" screen is displayed.
In ☰ (menu) - " ログイン管理 (Login Administration)", input the new administrator password (WebPW), and then tap " 保存 (Save)".



POINT

Configuring the Connection Destination Connecting Wide Area Network (WAN)

Configuring the Connection Information

You can use the profile (profile name "Internet") preset on the product to connect to the Internet.

<When creating a new profile>
Follow the procedures below to add a profile when you are creating a new profile or when information required for Internet connection (user name, password etc.) is specified by the WiMAX operator, other than au, to whom you are subscribed.

1 Launch a web browser, and open the product's WebUI (refer to **STEP5**), and then tap or click "Profile Settings" in "Network Settings".
2 Select "no setup" in the "Profile List", enter the setup information, such as the APN of the WiMAX operator to whom you are subscribed, and then tap or click "Apply".
* The displayed content may be grayed out.
* If you have any questions, please check with the WiMAX operator to whom you are subscribed.
3 Tap or click "Connection Settings" in "Network Settings".
4 In the "Profile Selection", select the profile which you set in step 2 , and then tap or click "Apply".
Open a website to verify the connection.

Reset method

When the product is not operating properly, or to bring back the default settings, perform reset by following the steps below. (This will delete all user settings and the screen display will change to Japanese.)

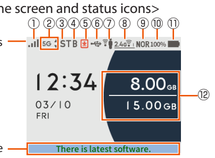
1 From the home screen, open the main menu, then select/enter "System" - "Reset" - "Reset the Factory default" (Init).
2 Once the message "Restoring to the initial settings. Do you want to initialize this device?" is displayed on the product's display, select/enter "YES".
3 Reset is complete once the product is restarted.
* The software updates that you have installed are not changed by reseting the product.

How to Restart

1 Long press the power button ○ , in the Power Option screen that appears, and then select/enter "Restart".
2 Restart the product and display the home screen.

Displayed Information

<Home screen and status icons>



<Main menu screen>



This is displayed when Ⓐ or Ⓥ is pressed in the home screen.

<Wi-Fi/LAN screen>



<Mobile network screen>



Name	Indicator	State	Explanation	
① Reception level		Lit	Indicates the signal strength of Wide Area Network (WAN) in 4 levels	
		Lit	Indicates that the product is out of the service area	
② Connection network	5G	Lit	Indicates a 5G connection	When communicating ▲ When sending ▼ When receiving Indicator
	4G	Lit	Indicates LTE or WiMAX 2+ connection	
③ Connection status	ST	Lit	Indicates the Internet is connected in "ST (Standard) mode"	
	+A	Lit (green)	Indicates that the product is connected to the Internet in "Onetime +A (Plus Area) mode"*1	
	AP	Lit	Indicates that the product is connected to the cradle (sold separately) in Access Point Mode	
	Rm	Lit	Indicates "Use" is set for international roaming (for au contracts)	
④ Bridge Mode settings	B	Lit	Indicates that Bridge Mode is set	
⑤ Software update notification		Lit (orange)	Indicates that the latest software has been released and a software update is required	
⑥ Status of wired connection		Lit	Indicates that LAN is connected via USB	
		Lit	Indicates that the product is connected to the cradle (sold separately) and wired LAN	
	2.5G	Lit	Indicates that the product is connected to the cradle (sold separately) and wired LAN (2.5GBASE-T)	
⑦ Status of guest SSID		Lit	Indicates guest SSID*2 is set to "Use"	
⑧ Wireless LAN (Wi-Fi®) band	2.4G	Lit	Indicates that the product is connected to the 2.4GHz band (the number on the lower right indicates the number of connected devices)	
	5G	Lit	Indicates that the product is connected to the 5GHz band (outdoor) (the number on the lower right indicates the number of connected devices)	
	5G	Lit	Indicates that the product is connected to the 5GHz band (indoor) (the number on the lower right indicates the number of connected devices)	
	2.4G 5G	Lit	Indicates that the product is connected to the 2.4GHz/5GHz (Outdoor) both Wi-Fi frequency setting (the number on the lower right indicates the number of connected devices)	
⑨ Energy-Saving mode	ECO	Lit (green)	Indicates that "Eco" mode (Prioritize saving battery) is running	
	NOR	Lit (green)	Indicates that the product is saving energy when the remaining battery level is low in "Normal" mode	
	NOR	Lit	Indicates that the product is running in "Normal" mode (Speed & Battery balanced)	
	HI-P	Lit	Indicates that the product is running in "High Performance" mode (Prioritize high speed)	
⑩ Battery Power Remaining	100%	Lit	Indicates % battery power remaining	
⑪ Battery status		Lit*3	Indicates battery status on a scale of 6 levels	
		Lit*3	Indicates that the battery is being charged	
⑫ Indicates data usage			Indicates the current data usage (1 month accumulated data usage value*4/upper limit set value) The data usage of "ST (Standard) mode" stays at "0GB" unless you change the settings of the data usage counter.	

*For details, refer to "1-2 各部の名称と機能 (Part Names and Functions)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

<Display/Battery screen>



<Control screen>



<System screen>



<Device Information screen>



・How to display: From the home screen, open the main menu, "System" - "Device Information" (Device Info)
・You can confirm the phone number, etc.

<Settings message display>



This is displayed while doing settings for the product.

<Display while in sleep mode>



This is displayed when the Power button ○ is pressed while in Sleep mode.

*1: An additional charge, depending on your billing plan, may be incurred when you switch to using "+A (Plus Area) mode" or "Onetime +A (Plus Area) mode".
*2:Regarding guest SSID, refer to "3-1 無線 LAN (Wi-Fi®) で接続する (Connecting via Wireless LAN (Wi-Fi®))" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).
*3: Turns green ( ) when "Long Life Charge" is on.
*4: The one month data usage counts communications in "+A (Plus Area) mode" and "Onetime +A (Plus Area) mode". The data usage of "ST (Standard) mode" stays at "0GB" unless you change the settings of the data usage counter. You can change the modes whose data usages are counted. (For details, refer to " 通信量カウンター (Data Usage Counter)" in "8-3 ネットワーク設定 (Network Settings)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).)

Troubleshooting

If you experience difficulty setting up an Internet connection even when the instructions in the "Setup Guide" and the " 取扱説明書 (Full Instruction Manual)" (Japanese) are followed, please check the following items.

Unable to connect to the Internet	• Make sure that you are located in a service area. • The incoming signal strength may be low. Retry the connection in a location with a higher incoming signal strength. • If the "ST" or "+A" icon does not appear in the display, launch WebUI to check that an Internet connection has been properly set up.
Communication is easily disrupted, communication is unstable	• If the incoming signal strength is low, move to a location that has a higher signal strength, such as beside a window. • If the 5G and 4G indicators are not stable, then change the network mode from "5G/4G/3G(Suggest)" to "4G/3G". Operating procedure: From the home screen, open the main menu, "Mobile network" (Mobile) - "Network mode" (NW Mode) • Check to see if the product is properly connected to a PC, or the like, on a wireless LAN (Wi-Fi®), or by a USB cable (commercially available). • If the product is connected to a PC, or the like, on a wireless LAN (Wi-Fi®) restart the product. • If there is radio interference from other networks, such as multiple access points having been set up in the vicinity, radio reception may be improved by changing "Channels" for the product. (Refer to "8-4 Wi-Fi 設定 (Wi-Fi Settings)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).) • Setting "11ac/WPA2 settings" may stabilize Wi-Fi connections. Operating procedure: From the home screen, open the main menu and set "Wi-Fi/LAN" - "Other Wi-Fi Settings" (Other) - "11ac/WPA2 Settings" (11ac/WPA2) • Connectivity in the Wi-Fi frequency of "2.4GHz" may become unstable while using when using "Wi-Fi power saving". If this happens, set this function to "Do not use". • Confirm that this product has the latest software. How to confirm: From the home screen, open the main menu, "System" - "Software Update" (Update) - Contact server about whether there is new software (For how to update the software, refer to "11-1 ソフトウェアを更新する (Updating Software)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).)
Communication seems slow	• Move to a location for a higher 5G/LTE signal strength. • The wireless LAN (Wi-Fi®) might be congested. Try changing the Wi-Fi frequency settings to 5GHz. • When Energy-Saving mode is in "Normal" mode and the remaining battery power is less than 50%, or when in "Eco" mode, then 5G connection is not possible.
The charge in the battery seems to decrease quickly	• The product settings and power consumption are as follows. Energy-Saving Mode Eco < Normal < High Performance Wi-Fi frequency settings 2.4GHz < 5GHz (indoor/outdoor) < 2.4GHz/5GHz both *In Eco mode, you can set the Wi-Fi frequency band settings to 2.4GHz so the battery lasts longer. • Using the Wi-Fi power saving makes the battery last longer while not transmitting. *Functions only at 2.4GHz/W52 and does not function at W56/simultaneous transmission. *If the wireless LAN (Wi-Fi®) connection does not stabilize, set to "Do not use". Operating procedure:From the home screen, open the main menu and set "Wi-Fi/LAN" - "Other Wi-Fi Settings" (Other) - "Wi-Fi power saving" (Wi-Fi saving)
Cannot connect to wireless LAN (Wi-Fi®)	• Setting "11ac/WPA2 settings" may make connection possible. Operating procedure:From the home screen, open the main menu and set "Wi-Fi/LAN" - "Other Wi-Fi Settings" (Other) - "11ac/WPA2 Settings" (11ac/WPA2)

Regarding details on setting procedures and other information, refer to "11-2 故障とお考えになる前に (Troubleshooting)" in " 取扱説明書 詳細版 (Full Instruction Manual)" (Japanese).

Product Specifications

■ Main Unit

Physical dimensions (W × H × D)	Approx. 136 (W) × 68 (H) × 14.8 (D) mm	
Weight	Approx. 174 g	
Interface	USB 3.0 Super Speed (Type-C connector ×1)*1 Compliant with Bluetooth 5.1 Wireless Technology*4	
Display	Approx. 2.4 inch TFT LCD	
Power supply	5V DC/9V DC Max 1.5A	
Internal battery	Lithium-ion battery, nominal voltage 3.8 V/rated capacity 4,000 mAh	
Continuous standby time*1	Waiting state: Approx. 38 hours Sleep mode: Approx. 420 hours	
Continuous communication time*1 *2 (During Wi-Fi® connection)	"Normal" mode	Approx. 540 minutes
	"Eco" mode	Approx. 620 minutes
Operating environment	Operating temperature range: 5°C to 35°C Operating humidity range: 35% to 85% (with no condensation)	
Charging time	Approx. 230 minutes (when using TypeC Common AC Adapter 02 (0602PQA) (sold separately) or TypeC Common AC Adapter 02 U (0602PQV) (sold separately))	

*1: The continuous standby time and continuous communication time may vary depending on the communication network being used.
*2: The continuous communication time when connected to a single wireless LAN (Wi-Fi®) device.
*3: Use of USB2.0 or later is recommended as a sufficient transfer rate cannot be achieved with USB1.1. It should be noted that operation is not guaranteed with all computers.
*4: Uses remote-activation from a smartphone. The product does not have a Bluetooth® tethering function.

■ WAN

Communication methods	5G, LTE, WiMAX 2+, UMTS (when using the product overseas with an au contract)

■ LAN

Communication methods	Wi-Fi® (compliant with IEEE802.11a/b/g/n/ac/ax)
Supported frequencies	Wi-Fi®: 2.4GHz/5GHz (W52/W56 supported)
Wi-Fi security methods	WPA2-PSK (AES) WPA / WPA2-PSK (TKIP/AES) WPA3-SAE(AES) WPA2-PSK/WPA3-SAE(AES)
Maximum number of simultaneous connections*	Wi-Fi®: 16 devices/USB: 1 device 2.4GHz/5GHz simultaneous transmission possible

*: When using the USB connection, and wired LAN and wireless LAN (Wi-Fi®) connections at the same time, up to 17 devices can be connected to the product.

■ About supported OS
This product can be used on OSs, such as Windows®, Mac, and Linux, that comply with the TCP/IP protocol stack (use limited to Japanese versions of the OS).
However, the following OSs are supported during USB connection:
Windows® 11, Windows® 10, Japanese versions, 32 bit (x86) versions and 64 bit (x64) versions, and macOS 13, 12, and 11 Japanese versions

■ About supported browsers
The web browsers below can be used to do settings in WebUI.
Also, the supported products include the products below with pre-installed OS and the products which are guaranteed by manufacturers for use with the OSs below. (Self-made computers are not supported.) (As of June, 2023)
For Windows® 11:
・Microsoft Edge supported
For Windows® 10:
・Microsoft Edge supported
For macOS (13/12/11):
・Safari supported
For Android (13/12/11/10/9/8.1/8.0/7.1/7.0):
・Google Chrome supported
For iOS (16.x/15.x/14.x/13.x):
・Safari supported
For iPadOS (16.x/15.x/14.x/13.x):
・Safari supported

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