

# **WiFi Module & Monitor System User Manual**

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## I. Wifi Module Setting

### a) Prepare Work:

- i. Available wireless network
- ii. Working inverter
- iii. WIFI Module
- iv. Phone (Android/ iPhone)
- v. CHINT Connect APP

Download website: <http://cps.j1st.io:888/index.html?chintConnect>

### b) Setting Step:

- i. Turn on the inverter to ensure the WIFI Module has power
- ii. Open the Bluetooth function on the phone.
- iii. Open CHINT CONNECT APP

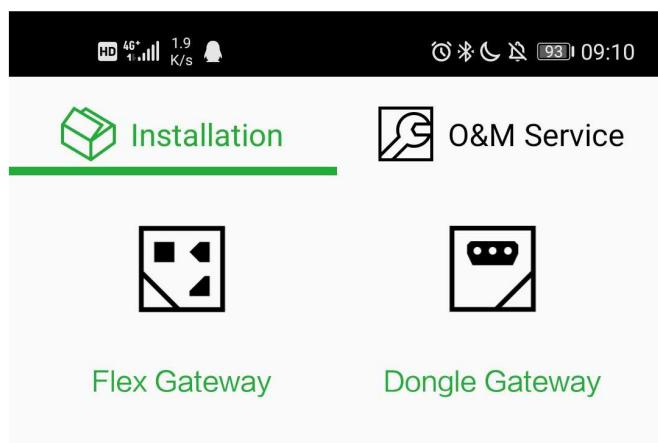
## Chint Connect



Synchronizing data with Cloud



- iv. Choose Dongle Gateway



- v. Wait few second, it will find the all WIFI Module nearly.



Back Connect to



WFGW-4031934000151 >

- vi. Select correct WIFI Module, and enter the WiFi SSID and Password



Back Connect to Router

Only support 2.4GHz WiFi Signal

WiFi SSID hy >

Password 1234567890 >

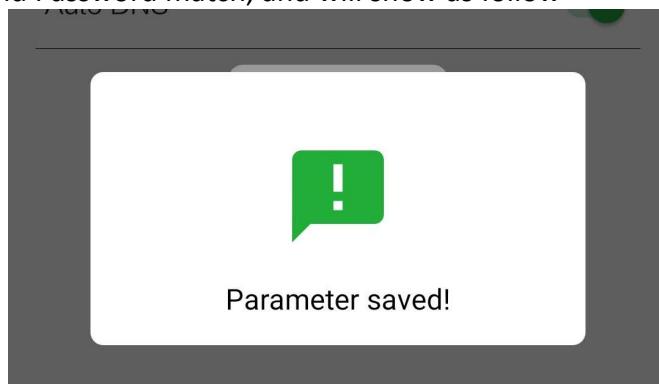
DHCP



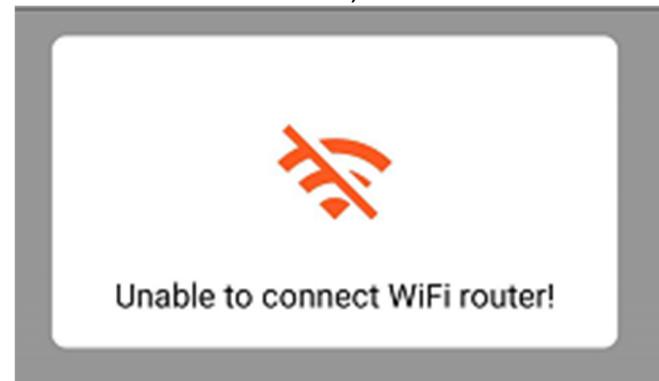
Auto DNS



- vii. If the WiFi SSID and Password match, and will show as follow

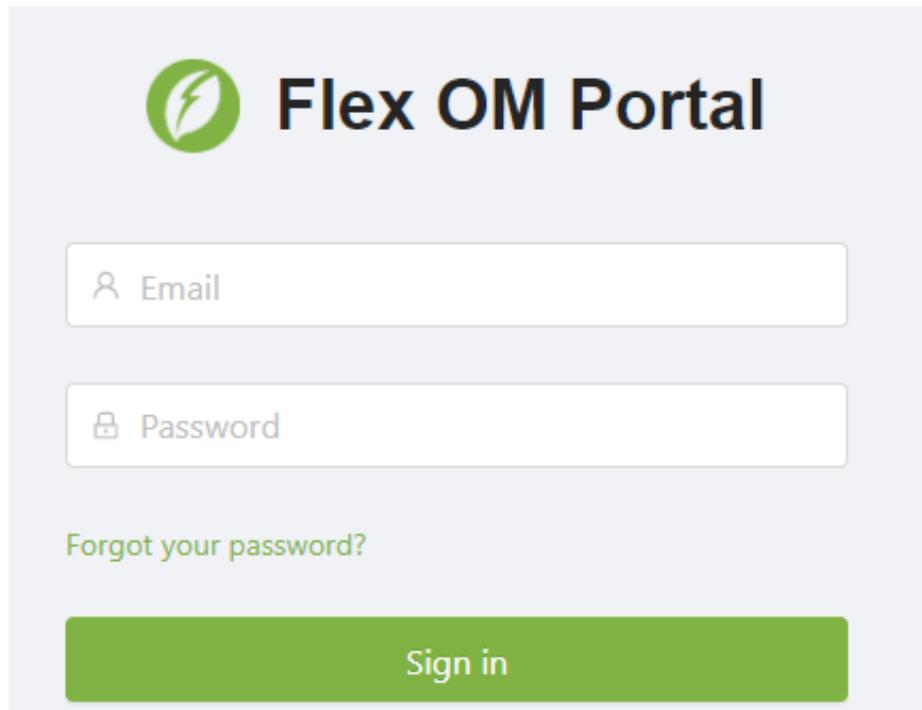


- viii. If the WiFi SSID and Password doesn't match, will show as follow



## II. Website Introduction –Sign In and Page introduction

- a) Open the browser and enter URL: <http://solar.chintpower.com>



- b) Enter account and password, sign in the system

The image shows the dashboard page of the Flex OM Portal. The top navigation bar is green, featuring the CPS America logo, a search bar with placeholder text "Search for Site Name, Gateway SN, Inverter!", and a user profile icon with the email "zhangyw@chint.com". On the left, there is a vertical sidebar titled "Main Navigation" with options: "Dashboard" (which is highlighted in green), "Account", "Portfolio", "Product", and "Service". The main content area is titled "Site List" and displays two rows of site information. Each row includes columns for "Site Name" (with a dropdown arrow), "Status" (with a green dot indicating "Normal"), "Trend" (represented by a small blue line graph), "Location" (e.g., "山东省临沂市兰陵县庄坞镇..."), "Real Time P" (e.g., "0.845 kW"), and "Last Updated" (e.g., "2020-03-13 11:11:59 GMT+8").

Site Name	Status	Trend	Location	Real Time P	Last Updated
张政友	Normal		山东省临沂市兰陵县庄坞镇...	0.845 kW	2020-03-13 11:11:59 GMT+8
赵宗业	Normal		山东省临沂市兰陵县南桥镇...	1.489 kW	2019-12-13 15:34:57 GMT+8

- c) Menu List

- i. Account: Create sub-account and modify account function
- ii. Portfolio: View all the site and gateway under the account
- iii. Product: View all the SN and Firmware under the account
- iv. Service: Create task for update and other information

### III. Website Introduction – Account

Under the this sub-menu, there are three levels of accounts

Account type	Create account	Modify account	Remark
Customer Admin	Customer/End User	Customer/End User	CPS Only
Customer	End User	End User	
End User	-	-	

#### Create Customer Admin X

\* Email:

\* Company Name:

\* Password Type: Random Password [Customize Password](#)

- \* Enabled Access:
- Enable the fullscreen
  - Receive device event
  - Limited read registers
  - Limited read/write registers
  - Expert read register
  - Expert read/write register
  - Setting gateway
  - Upgrade firmware
  - Advanced upgrade firmware
  - Commissioning report

## Create Customer

X

\* Email :

\* Company Name :

\* Password Type : Random Password [Customize Password](#)

- \* Enabled Access :
- Receive device event
  - Limited read registers
  - Limited read/write registers
  - Expert read register
  - Expert read/write register
  - Setting gateway
  - Upgrade firmware
  - Advanced upgrade firmware
  - Commissioning report

## Create End User

X

\* Email:

\* Password Type: Random Password [Customize Password](#)

- Enabled Access:
- Receive device event
  - Limited read registers
  - Limited read/write registers
  - Expert read register
  - Expert read/write register
  - Setting gateway
  - Upgrade firmware
  - Advanced upgrade firmware
  - Commissioning report

## IV. Website Introduction – Portfolio

### a) Site

Under this function block, you can find all the plant information owned by this account. These plants can be assigned to any customer under this account.

Site

Home / Portfolio / Site

Move Delete

chintlatinamerica... skysolar@embre... All End User All Search Reset Column Option

Site Name	Status	Trend	Location	Real	Last Update
Luiz C Soria	● Offline		RUA ALEXANDRE MASCHIO...	0 kW	2020-02-26 05:21:42 GMT+8
Embrepar - Evaristo - 4011923000116	● Offline		Rua Evaristo da Veiga, 340	0 kW	2020-03-13 06:01:43 GMT+8
Condominio	● Offline		Rua Moscados, 112	0 kW	2020-03-11 01:10:42 GMT+8

Home / Portfolio / Site

Move Site X

Move Delete

chintlatinamerica... All End User

Customer Admin : chintlatinamerica@chint.com

Customer : skysolar@embrepar.com.br

End User : Please select engenharia@cristalsolar.com.br

Cancel OK

A red box highlights the "Move" button in the top left of the modal. A red arrow points from the "Move" button to the "Move" button in the header of the main site list. Another red arrow points from the "Move" button in the header to the "Move" button in the modal. A red box highlights the checked checkbox in the site list.

PS: Only high-level accounts can be changed across levels

## b) Gateway

Under this function module, you can find the power station through the version, model and other information of the gateway.

The screenshot shows a table with one row of data. The columns are: Site Name, Gateway Name, Gateway Status, Model, Firmware, and Last Updated. The data in the first row is: 4021922000420, 4021922000420, Online, CP2G, App: 0.1205, 2020-03-13 14:12:47 GMT+8. There are buttons for 'Rename' and 'Allocate' at the top left of the table, and a search bar at the top right.

Site Name	Gateway Name	Gateway Status	Model	Firmware	Last Updated
4021922000420	4021922000420	Online	CP2G	App: 0.1205	2020-03-13 14:12:47 GMT+8

### Rename the Gateway

A modal dialog box titled 'Change GatewayName' is open. It contains a 'Gateway Name:' input field with the value '4021922000420'. There are 'Cancel' and 'OK' buttons at the bottom right. A red arrow points from the 'Rename' button in the main table to the 'OK' button in the dialog. Another red arrow points from the 'Gateway Name:' input field in the dialog back to the 'OK' button.

### Allocate the site

A modal dialog box titled 'Allocate' is open. It contains a 'Site:' dropdown menu set to 'Input'. Below it is a note: 'After the mobile station is empty, the power station will be deleted automatically.' There are 'Cancel' and 'Confirm' buttons at the bottom right. A red arrow points from the 'Allocate' button in the main table to the 'Confirm' button in the dialog. Another red arrow points from the 'Site:' dropdown in the dialog back to the 'Confirm' button.

## V. Website Introduction – Product

### a) Hardware SN

Under this function module, you can manage the device SN under this account.

The screenshot shows a table with the following columns: Product Name, Group Type, Total, Activated, Inact, and Last Updated. There is one row for 'Default' with a value of 469 in the Total column, 399 in the Activated column, and 70 in the Inact column. The Last Updated field shows '2020-03-13 14:21:03 GMT+8'.

Product Name	Group Type	Total	Activated	Inact	Last Updated
Default	Default	469	399	70	2020-03-13 14:21:03 GMT+8

You can assign inactive SN to any account under this account

The screenshot shows a modal dialog titled 'Assign' with a list of customer accounts. The 'Input' field contains 'contato@innova-energ...'. The list includes: contato@innova-energ..., danilo@ferpam.com.br, santiago.correa@coresa..., interunion@interunion..., mazer@mazer.com, mb@mb.com, centry@centry.com, and wagner@megasolar.c...'. There are 'Cancel' and 'Confirm' buttons at the bottom.

You can customize SN group

The screenshot shows a modal dialog titled 'Create Group' with a list of gateway SNs. The 'Create to existing group' toggle is off. The list includes: 4011833000009 (Status: Enable), 4011833000011 (Status: Enable), and 4011833000012 (Status: Enable). There are 'Cancel' and 'Confirm' buttons at the bottom.

Create Group

X

Create to existing group :

\* Group Name :

Cancel  Confirm

## b) Firmware

Can manage software under the account

Home / Product / Firmware

Firmware Management					
Model		Product	Controller	Latest FW version	Upgrade parameter
Uploaded					
<input type="checkbox"/>	CPS SCA5KTL-SM	1P INV-SNJ	Master	010803	Set
<input type="checkbox"/>	CPS SCA2KTL-S	1P INV-SNJ	Master	010803	Set
<input type="checkbox"/>	FG4C	Flex Gateway	App	V3.0035	Set
<input type="checkbox"/>	CPS SCA60KTL-T	1P INV-SNJ	Master	V011401	Set

Upload the firmware – CPS only

The screenshot shows the 'Firmware' management page. On the left, there's a sidebar with 'Dashboard' and 'Firmware' tabs, and a list of products: CPS SCA5KTL-SM, CPS SCA2KTL-S, FG4C, CPS SCA60KTL-T, CPS SCA50KTL-T, and CPS SCA3KTL-S. The 'Firmware' tab is selected. In the center, a modal window titled 'Upload firmware' is open. It has fields for 'Product' (dropdown), 'Model' (dropdown), 'Module' (dropdown), 'Current version' (input field), 'Description' (text area), 'English Description' (text area), and 'Firmware File' (file input field). A red arrow points from the 'Upload' button in the sidebar to the 'Upload' button in the modal window. The right side of the screen shows a list of uploaded firmwares with columns for Model, Product, Controller, Latest FW version, Upgrade parameter, and Uploaded date.

Model	Product	Controller	Latest FW version	Upgrade parameter	Uploaded
CPS SCA5KTL-SM	1P INV-SNJ	Master	010803	Set	2020-02-28 10:19:25 GMT+8
CPS SCA2KTL-S	1P INV-SNJ	Master	010803	Set	2020-02-28 10:18:13 GMT+8
FG4C	Flex Gateway	App	V3.0035	Set	2020-02-25 18:42:31 GMT+8
CPS SCA60KTL-T	1P INV-SNJ	Master	V011401	Set	2020-02-24 16:16:12 GMT+8

## VI. Assign SN

A) In “Product-Hardware”, check the SN status

The screenshot shows a table of SN records. The columns are: Gateway SN, Status, Active Status, Customer Admin, and Last Updated. The Active Status column is highlighted with a red border. The first two rows have an 'Enable' status, while the third row has an 'Inactivated' status.

Gateway SN	Status	Active Status	Customer Admin	Last Updated
4052006000001	Enable	Activation	monitor	2020-03-13 13:11:42 GMT+8
4052006000002	Enable	Inactivated	--	2020-02-05 10:51:50 GMT+8

B) If status is Inactivation, click on the box in front of the SN

The screenshot shows the same table as above, but the third row (SN 4052006000002) now has a checked checkbox in the first column. The Active Status column still shows 'Inactivated'.

Gateway SN	Status	Active Status	Customer Admin	Last Updated
4052006000001	Enable	Activation	monitor	2020-03-13 13:11:42 GMT+8
4052006000002	Enable	Inactivated	--	2020-02-05 10:51:50 GMT+8

C) Choose Assign

The screenshot shows a modal dialog titled 'Assign'. It has a 'Customer Admin' dropdown set to 'Input' and an 'Assign' button. A red arrow points from the bottom-left towards the 'Assign' button. The background shows the same hardware list as before, with the third row selected.

D) If status is Activation, go to “Portfolio – Site”

The screenshot shows a table of site records. The columns are: Site Name, Status, Trend, Location, and Real 1 Last Update. The first row (Site Name 4011919000791) has an 'Offline' status and a flat blue trend line. The second row also has an 'Offline' status and a similar trend line. A red box highlights the search bar, which contains the value '4011919000791'. A red arrow points from the bottom-left towards the search bar.

Site Name	Status	Trend	Location	Real 1 Last Update
4011919000791	Offline	Flat Blue Line	--	0 kW 2020-02-25 21:11:07 GMT+8
4011919000791	Offline	Wavy Blue Line	--	0 kW 2020-03-12 21:06:25 GMT+8

E) Click on the box in front of the Site Name

A screenshot of a web-based application interface. At the top, there are buttons for 'Move' and 'Delete'. Below this is a search bar with dropdowns for 'All Customer Ad...', 'All Customer', 'All End User', and 'All', followed by a text input '4011919000791', a 'Search' button, and a 'Reset' button. To the right is a 'Column Option' button. The main area displays a table with columns: 'Site Name', 'Status', 'Trend', 'Location', and 'Real 1 Last Update'. There are two rows of data. The first row has a checked checkbox next to '4011919000791', which is labeled 'Offline'. The second row has an unchecked checkbox next to '4011919000791', also labeled 'Offline'. Each row includes a small blue trend graph.

F) Choose "Move"

A screenshot of a modal dialog box titled 'Move Site'. It contains fields for 'Customer Admin' (monitor@chint.com), 'Customer' (teslatlab@gmail.com), and 'End User' (taemoorshaib@gmail.com). At the bottom are 'Cancel' and 'OK' buttons. In the background, the main application interface is visible, showing the same list of sites as in the previous step. A red box highlights the 'Move' button in the dialog, and a red arrow points from the previous step's screenshot to this button.

PS: Only high-level accounts can be changed across levels

## VII. Update Firmware

### A) Search inverter SN and open the inverter page

The screenshot shows a search result for inverter SN 4011923000116:1. The top navigation bar includes a back button, a search bar with the value 101522191932, a notification badge (99+), language selection, and user profile. The main content area displays the inverter's brief information: Model CPS SCA30KTL-T, Firmware Master:010600, Deputy:BR0206, E-Today: 0kWh, E-Month: 618.41kWh, Annual kWh: 618.41kWh, E-Total: 664kWh, Real Time Power: --kW, Status: Offline, Tmod: --°C, Tamb: --°C, and creation details.

### B) Choose "Firmware"

The screenshot shows the 'Firmware' tab selected in the inverter configuration interface. It lists the CPS SCA30KTL-T model with controllers Master:010600 and Deputy:BR0206. Buttons for 'Create' and 'Delete' are visible. A time range selector at the bottom allows filtering by Day, Three Days, Week, or Lifetime.

### C) Create Update Task

Create a upgrade task X

\* Product:

\* Model:

\* Controller:

\* Target:

\* When: