Cellink4G+

Cellphone Gate Access Control Module

INSTALLATION INSTRUCTIONS & OWNER'S MANUAL

Rev-C

Download on the App Store

available at amazon appstore

PLATINUM ACCESS SYSTEMS™

Cellink4G+

Cellphone Gate Access Control Module

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GENERAL DESCRIPTIONS

Cellink4G+ is a 4G LTE gate access control module, which works with carrier T-Mobile. It supports 2000 phone users and over 4000 history logs, and provides a fully remote gate access control via smartphone App. With Platinum cloud remote access, Cellink4G+ module is an ideal replacement of existing light commercial entry access control units. Its phone users, hold open schedules, permission schedules and history logs can be accessed on a webpage based environment from any network enabled device ironment from any network enabled device around the world.

PLATINUM ACCESS APP FEATURES:

- Set master and super users.
- Add, check, search and delete phone users.
- Open gate.
- Hold open and release gate hold open.
- Set, check and clear hold open schedules.
- Monitor gate status.
- Set and check internal real time clock.
- Set control relay strike delay.
- Control the secondary contact output.
- Enable cloud connection.
- Remove cloud account.

INSTALLATIONS

1. **SIM Card**
   This module accepts standard size SIM card. If only a micro or nano SIM card is available, SIM card adapters as below are required.

Fig. 1 SIM Card Adapters

Open the module case and install the SIM card as shown in Fig 2.

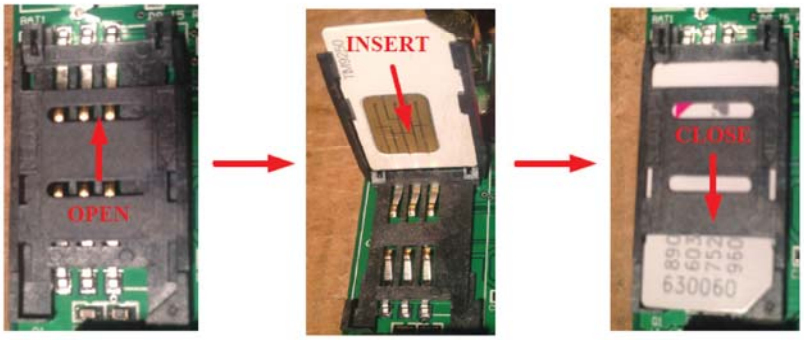


Fig. 2 SIM Card Installation

2. **Module**
   As shown in Fig. 3, mount the module inside gate operator protection case or control box.
   Note: The module is not designed to work outside operator enclosure in outdoor environment.
3. **Antenna**
   There are 2 types of antennas, whip (default) and dome, working with the module. As shown in Fig. 3, attach and mount the antenna respectively.

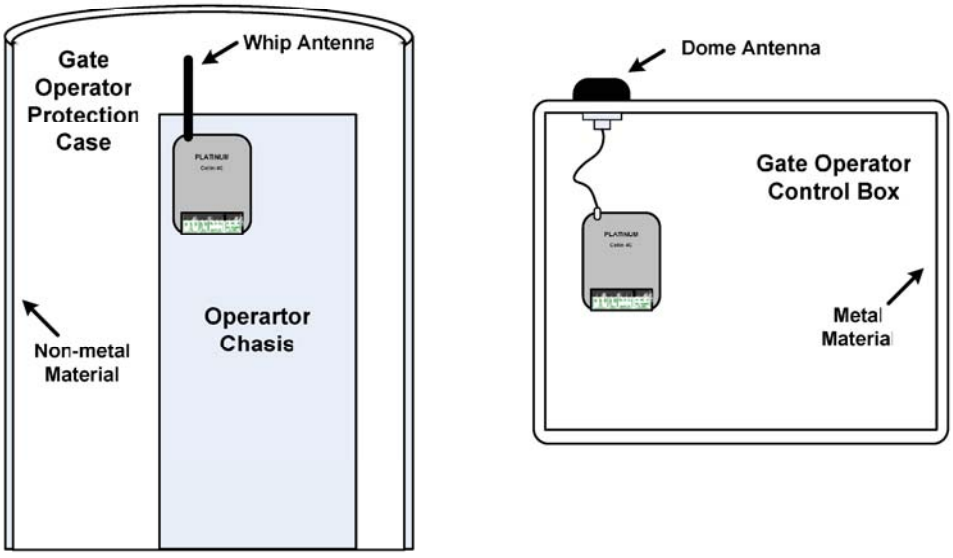


Fig.3 Antenna Installation

4. **Wiring**
   Fig. 4 shows the wiring from module to operator.

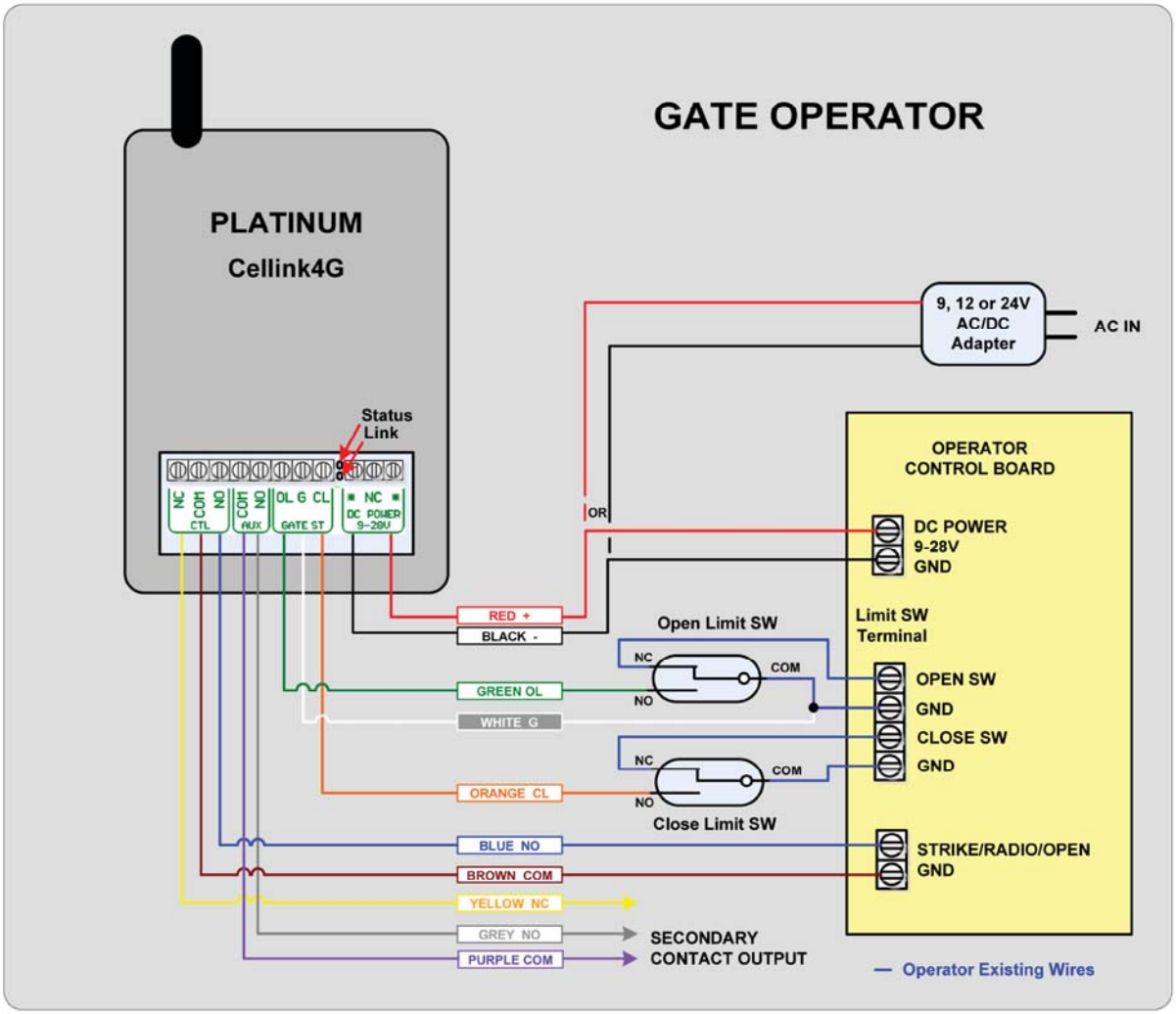


Fig. 4 Wiring Diagram

Note:

a. When operator DC power is used, an external DC/DC adaptor is required if the DC power is noisy.

b. The limit switch wiring is to monitor gate status. It is optional.

c. Pulse counting limits are not working with the gate status monitoring function.

d. Before wiring to the gate operator limit switches, verify the limit switch COM terminals are connected to the control board GND. If not, refer to the operator installation manual and re-wire limit switch COM and NC terminals.

5. **Power Up**

When the module is turned on, it will reboot and scan for local GSM network. Once the module is registered to the network, both orange "STATUS" light and blue "LINK" light will flash.

USER STRUCTURE

For security purpose, the users are classified into 3 levels, Master User,Super Users and Normal Users. The privileges for each user level are shown below:

Functions	Master (1 User)	Super User (<=8 Users)	Normal User (<=2000 Users)
Enter Cell Module Phone #	√	√	√
Set Master User Functions:			
Set Master User	Any phone can be set as Master User, if no Master User has been set in the unit.		
Remove Master User	√	X	X
Operation Functions:			
Open	√	√	√
Hold Open	√	√	X
Hold Open Release	√	√	X
Schedule Functions:			
Set Single Schedule	√	√	X
Set Weekly Schedule	√	√	X
Check Single Schedule	√	√	X
Check Weekly Schedule	√	√	X
Clear Single Schedule	√	√	X
Clear Weekly Schedule	√	√	X
Setting Functions:			
Add Super User Phone #	√	X	X
Delete Super User Phone #	√	X	X
Check Master/Super Phone #	√	√	X
Set Date & Time	√	√	X
Check Time	√	√	X
Check Gate Status	√	√	X
Control AUX Output	√	√	X
Add User Phone #	√	√	X
Delete User Phone #	√	√	X
Search User Phone #	√	√	X
Set Relay Delay	√	√	X

Reset Camera	N/A	N/A	N/A
Add Temporary Key Code	N/A	N/A	N/A
Delete Temporary Key Code	N/A	N/A	N/A
Add Permanent Key Code	N/A	N/A	N/A
Enable Cloud	√	X	X
Reconncect Cloud	√	X	X
Remove Cloud Account	√	X	X
Service	Platinum Customer Service Use Only		
About	√	√	√

Table1. Users and Functions

MODULE CONFIGURATIONS

1. **Download Smartphone App**
   Search and download "Platinum Access" App from Apple Store for iPhones, or from Amazon App Store for Android phones. Install the App and ensure the icon below is presented on the phone home screen.

ACCESS

Note: Android App can also be downloaded from www.platinumasi.com on "Cellink4G+" product page.

2. **Configure Module via App**
   On cellphone, launch the App, select one of the items, follow the onscreen instruction to enter data (if needed) and press "SEND" on text message screen to send the configuration commands. After the operation is performed, the module will reply the sender with an acknowledgement text message.

   All following configurations are under App "Settings" tab.

   1) **Enter Module Phone # on User Cellphone**
      Get the phone # of the installed SIM card in the module. Select "Enter Cell Module Phone" to add/edit the module phone number(s).

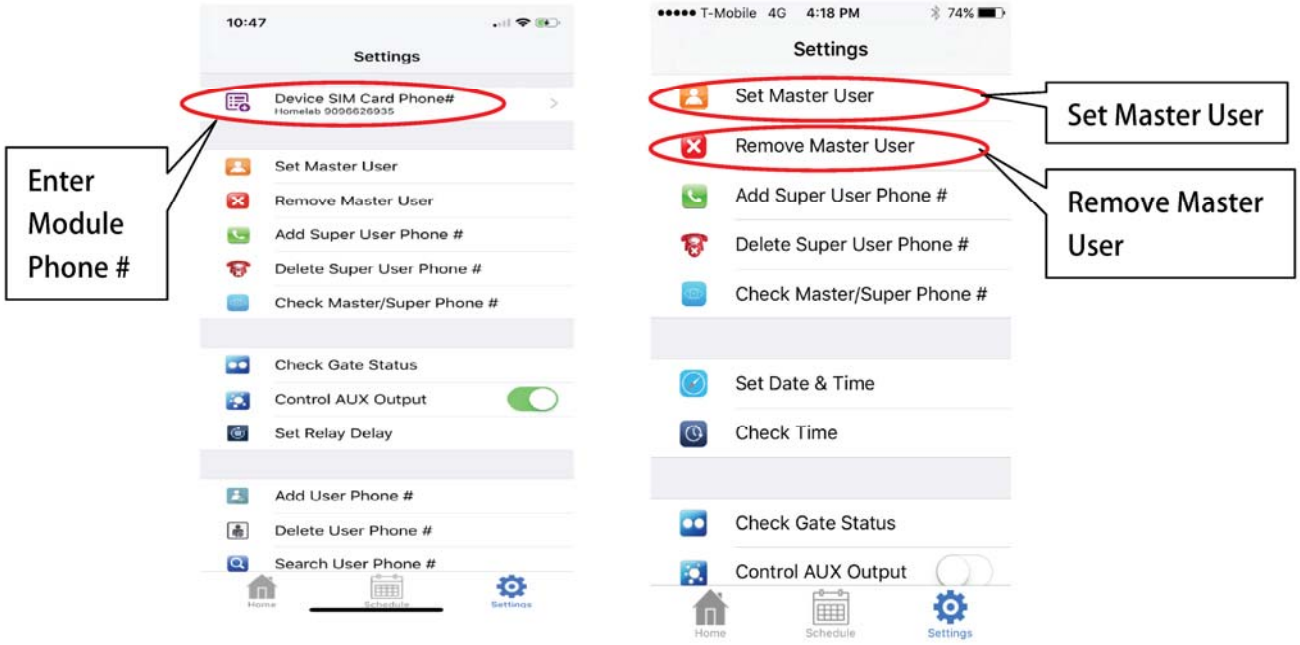
To enable a cellphone to control the module, touch"+" on "Enter Cell Module Phone #" page to add the module phone # to this cellphone unit.

Note: To control the module with a user cellphone, the module phone # must be set in the user cellphone.

2) **Set Master User**

Select the item and press "SEND" to set the phone as master user phone.

Note: When the module is shipped from manufacturer, the master user is blank. Any cellphone with module phone # entered can be set as master user by "Set Master User" command.



Enter Module Phone # Set / Remove Master User

3) **Remove Master User**

Select "Remove Master User" and press "SEND" to remove the master user from the module.

Note:

a. Master user can only be removed by master phone itself. When the master user is removed, any other phone can be set to master user of this module.

b. If the master user needs to be reset but the master phone is unavailable, call Platinum customer service and provide the module phone # and the new master phone #. The service technician will help switching to the new master user remotely

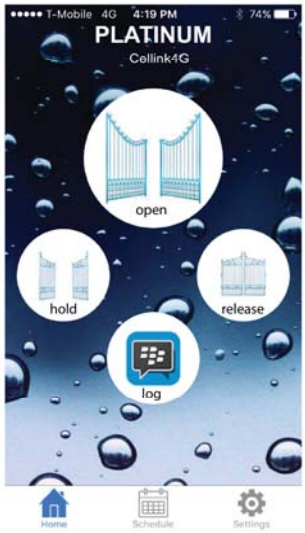
4) **Add and Delete Super User Phone #**

Select the item and press "SEND". Only master user can add and delete super users.

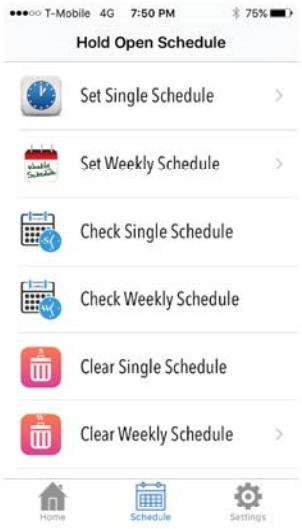
5) **Check Master and Super Phone #**
   Select the item, enter super user phone # and press "SEND". Only master and super users can check master / super user phone #.
6) **Add User Phone #**
   Select the item, enter user phone #, user name and press "SEND". Only master and super users can add user phone #.
7) **Delete User Phone #**
   Select the item, enter user phone # and press "SEND". Only master and super users can delete user phone #.
8) **Check User Phone #**
   Select the item, enter the page number and press "SEND". User phone numbers will be sent back in page (1-99). There are 12 phone numbers on each page. Only master and super users can check user phone #.
9) **Search User Phone #**
   Select the item, enter the phone # to search and press "SEND". This command is to verify whether the user phone # exists.
10) **Set Date and Time**
    Select the item and press "SEND" to set module real time clock to current date and time.
11) **Check Time**
    Select the item and press "SEND" to check date and time from module real time clock.
12) **Check Gate Status**
    Select the item and press "SEND" to check current gate status (open/close/central). "Gate ST" terminals on module need to be wired to operator limit switches for reporting correct status.
13) **Control AUX Output**
    Select the item, choose ON/OFF and press "SEND" to set the AUX contact output ON or OFF.
14) **Set Relay Delay**
    Select the item and enter delay time (1-99 sec) to set control relay delay time.
15) **Enable Cloud Connection**
    Select the item, press "SEND" to enable programming from cloud web site.
16) **Remove Cloud Account**
    Select the item to remove current cloud user of this unit.
17) **Service**
    Platinum customer service use only.
18) **About**
    Select the item to check SW revision of the App.

GATE OPERATIONS

For users, on cellphone home page, use "open" icon to open the gate. For master and super users, use "open", "hold" and "release" icons to control the gate. For all users, use "log" icon to check operation commands and acknowledgement messages.



Home Page



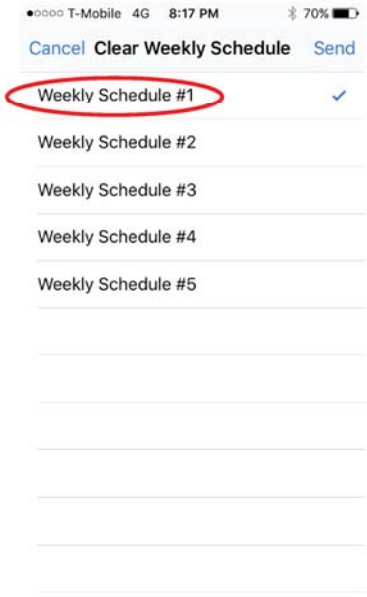
Hold Open Schedule

HOLD OPEN SCHEDULE OPERATIONS

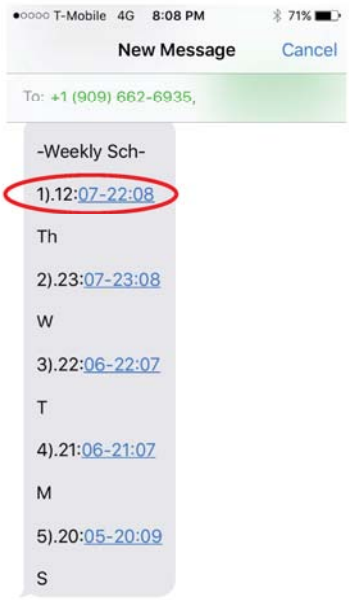
The schedule functions are under App "Schedules" tab as shown above.

1) **Set Single Schedule**
   Select the item, choose hold open period and press"SEND" to set single schedule.
2) **Set Weekly Schedule**
   Select the item, choose hold open period/repeat weekday(s) and press "SEND" to set weekly schedule. Up to 5 weekly schedules can be set. If the weekly schedule memory is reported full, use "Clear Weekly Schedule" to free up the memory.
3) **Check Single Schedule**
   Select the item and press "SEND" to check single schedule.
4) **Check Weekly Schedule**
   Select the item and press "SEND" to check weekly schedule.
5) **Clear Single Schedule**
   Select the item and press "SEND" to clear single schedule.
6) **Clear Weekly Schedule**
   Select the item, choose the schedule ID number and press "SEND" to clear weekly schedule.

Note: There could be up to 5 weekly schedules in memory. Before clearing, use "Check Weekly Schedule" to review existing weekly schedule(s). Choose the right schedule(s) to clear. See the screen shots below.



Weekly Schedule Report



Clear Weekly Schedule Selection

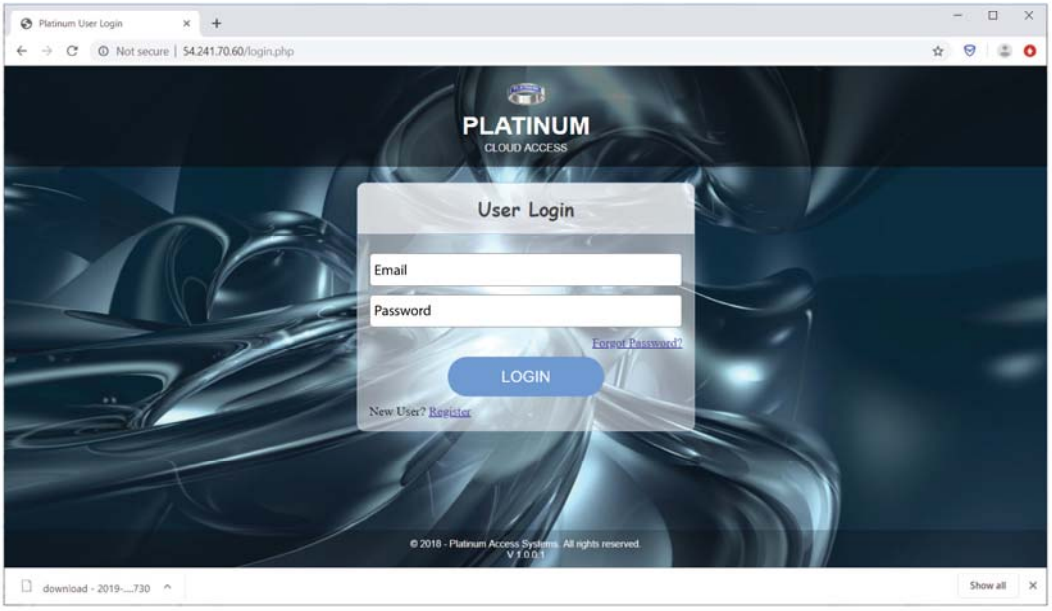
CLOUD PROGRAMMING OPERATIONS

Phone number, hold open schedule, permission schedule and history log can be accessed remotely via Platinum cloud website. A reliable 4G LTE link is required to use this function.

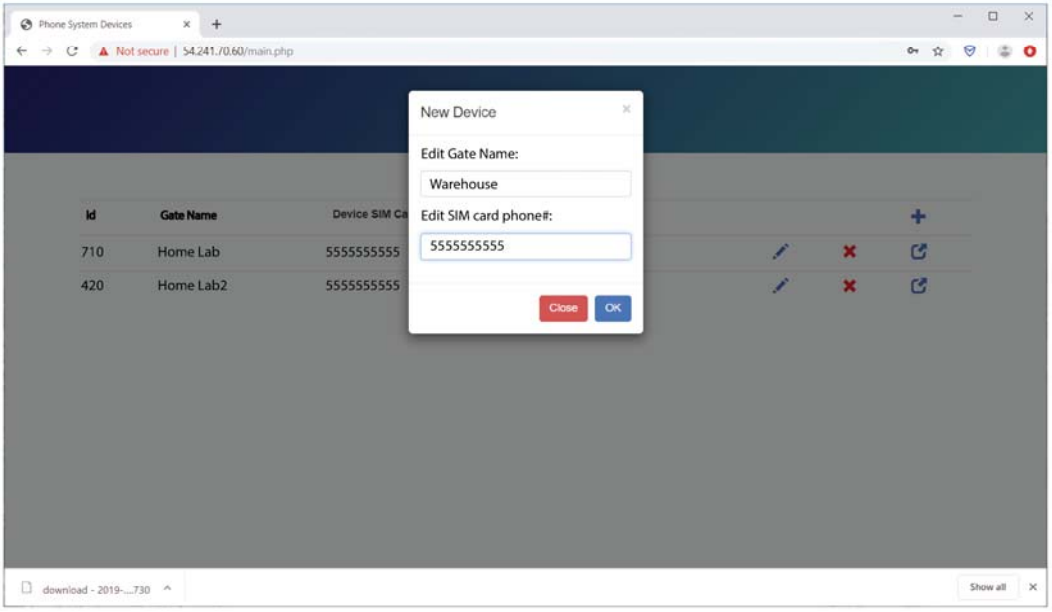
1. **Enable Unit Cloud Mode**
   The cloud access mode can only be enabled on smartphone App by master user. On App setting menu, select "Enable Cloud" item to enable the cloud access to the unit.

2. **Cloud Website**
   The cloud link "Platinum Cloud Link" is on the Platinum website (www.platinumasi.com) under "Phones" category. It can also be reached through the IP "54.241.70.60/login.php" with web browser on phone, pad, laptop or PC etc.

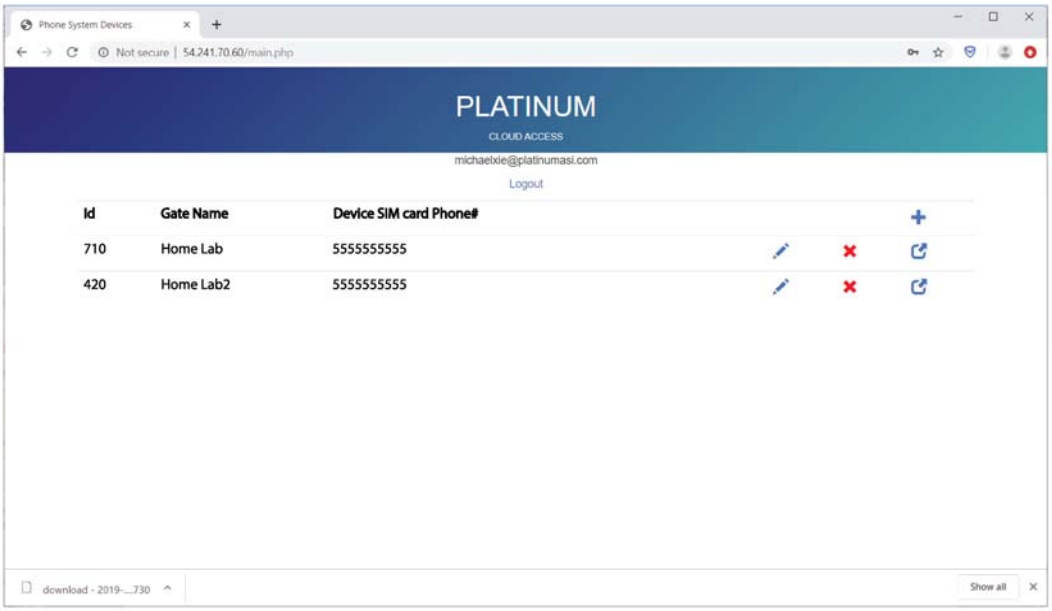
3. **Account Register**
   On the login page, register an account with email address as user name. The registration is verified through the email.



4. **Add a Device**
   Once login, add the Cellink4G+ unit with its SIM card phone number.

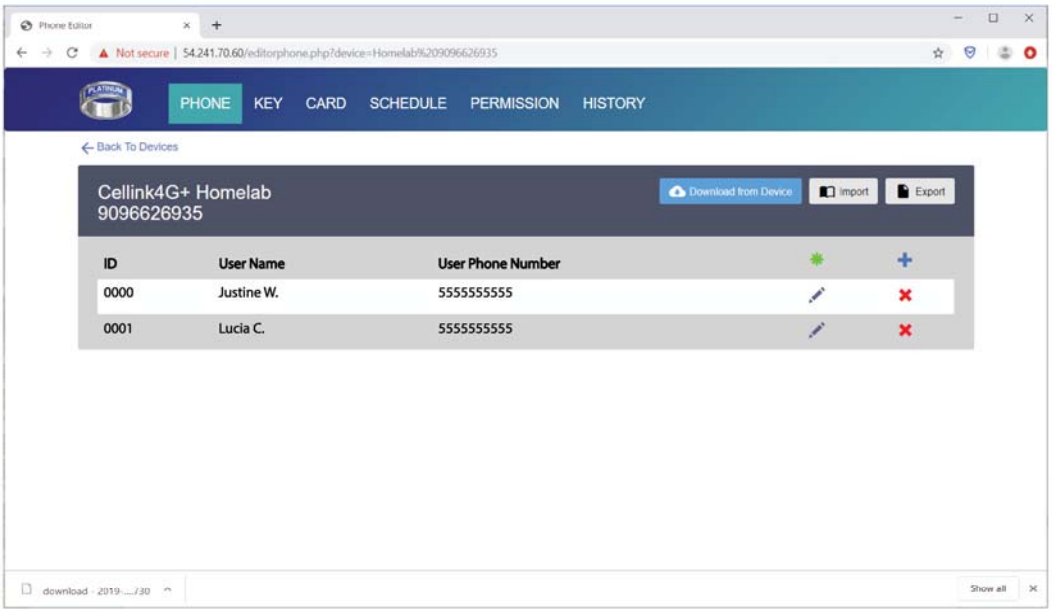


5. **Connect a Device**
   Use "Enable Cloud" command in "MODULE CONFIGURATIONS"section to enable device cloud access function.
   On the device web page, click the link icon on this device to connect the Cellink4G+ unit.



6. Access Programming Data

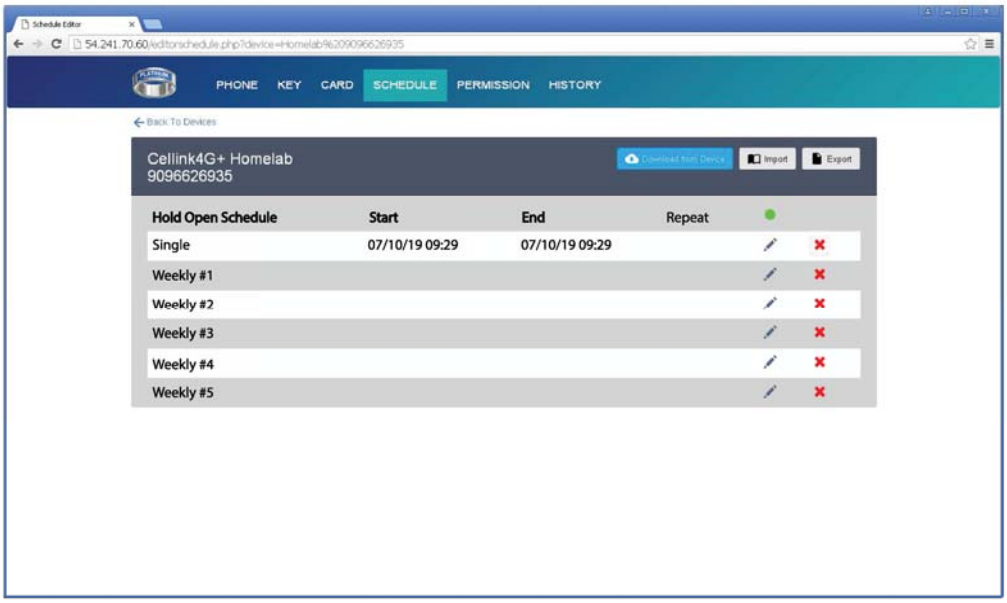
Once connected, phone number and hold open schedule data can be downloaded, updated and uploaded.



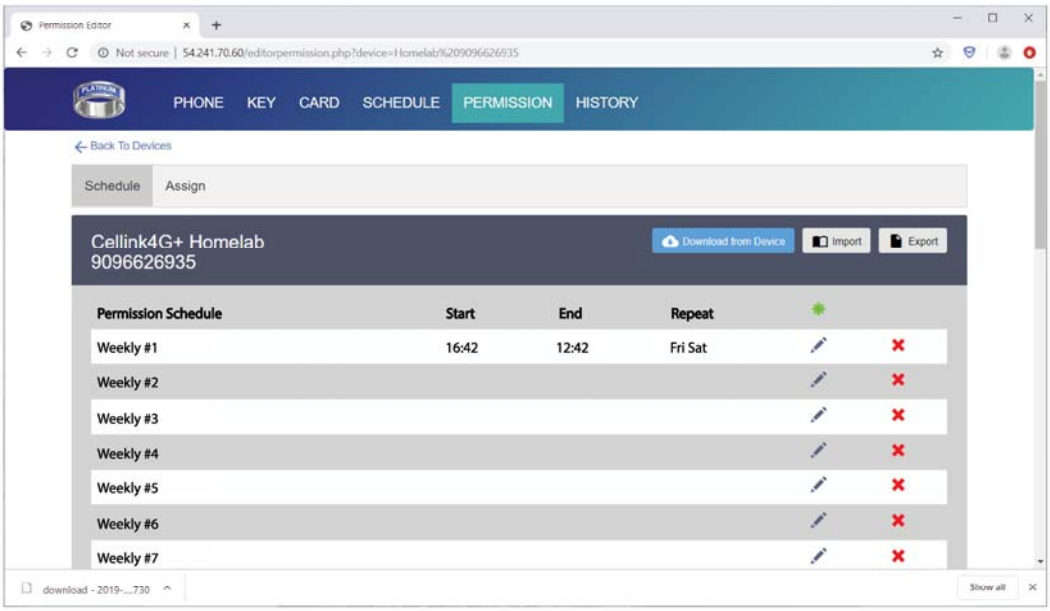
Note:

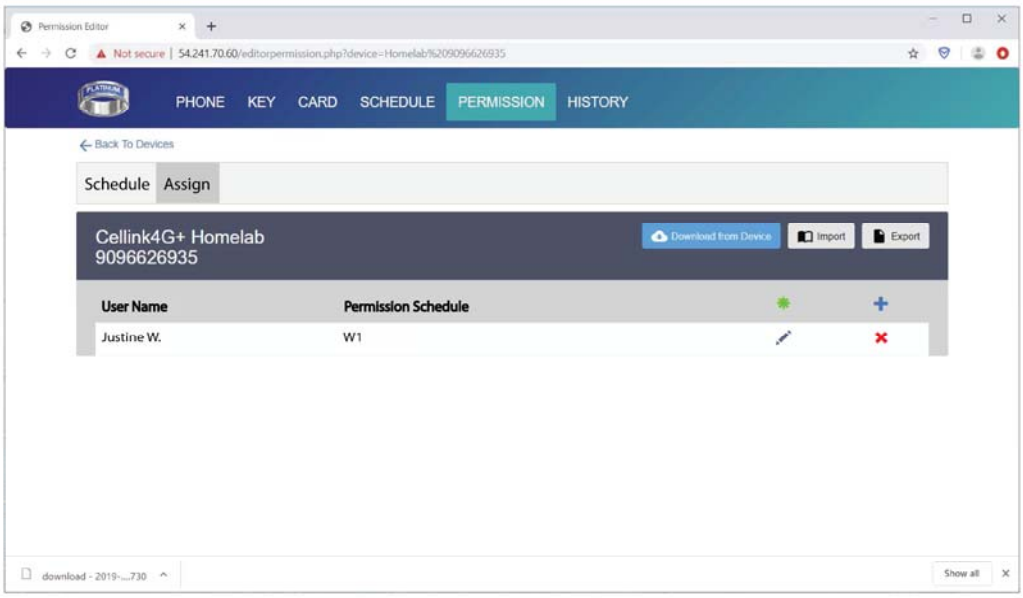
- The unit can be connected by only one account at a time. The account has to be removed from this unit for other account to connect.
- The cloud account for specific unit can be removed from "Remove Cloud Account" in smartphone App on master phone.
- Key and Card are not applied to Cellink4G+ module.

7. **Set Hold Open Schedule**
   6 hold open schedules (5 weekly and 1 single schedules) are available to set up.



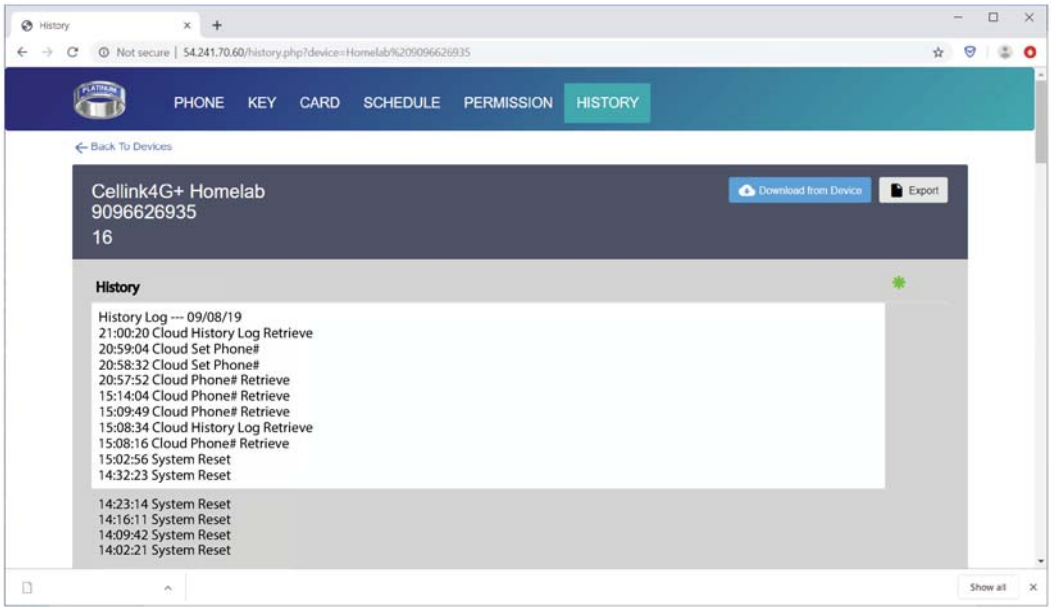
8. **Set Permission Schedule**
   32 permission schedules (10 weekly and 22 single schedules) are available to set up. The schedule(s) can be assigned to each phone users. Only during the scheduled periods, the assigned phone users have the access capability to open the gate.





Note: Users without being assigned to any permission schedule are allowed to access the entry at any time.

9. **Download History Log**
   Once connected, the history log can be downloaded as below.



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