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GENERAL DESCRIPTIONS
Cellink4G is a 4G LTE gate access control module, which works with most of the US carriers (AT&T, T-Mobile, etc.). With 1000 user capacity and over 4000 history logs, it provides a fully remote gate access control via smartphone App. The App (Platinum Cellink4G) is free to download from Apple Store or Google Play Store.

Cellink4G App features:
• Set master and super users.
• Add, check, search and delete users.
• Open gate.
• Hold open and release gate.
• 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.
• Read and email history log.
• Read and email user phone book.

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. 2 SIM Card Adapters
Open the module case and install the SIM card as shown in Fig 3.

![Fig. 3 SIM Card Installation](image)

2. **Module**  
As shown in Fig. 4, mount the module inside gate operator protection case or control box.  
**Note:** The module is not designed to work outside enclosure in outdoor environment.

3. **Antenna**  
There are 2 types of antennas (whip and dome) working with the module. As shown in Fig. 4, mount the antenna respectively.

![Fig. 4 Antenna Installation](image)

4. **Wiring**  
Fig. 5 shows the wiring from module to operator.
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, the blue “LINK” light will flash at certain rate. Higher flash rate represents stronger network signal.
**USER STRUCTURE**

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

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<th>Super User (&lt;=8 Users)</th>
<th>User (&lt;=1000 Users)</th>
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<td>X</td>
<td>X</td>
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<tr>
<td>Delete Super User Phone #</td>
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<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Check Master/Super Phone #</td>
<td>√</td>
<td>√</td>
<td>X</td>
</tr>
<tr>
<td>Set Date &amp; Time</td>
<td>√</td>
<td>√</td>
<td>X</td>
</tr>
<tr>
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<td>√</td>
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<tr>
<td>Control AUX Output</td>
<td>√</td>
<td>√</td>
<td>X</td>
</tr>
<tr>
<td>Enter Cell Module Phone #</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Add User Phone #</td>
<td>√</td>
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<tr>
<td>Delete User Phone #</td>
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<td>X</td>
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<tr>
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<tr>
<td>Search User Phone #</td>
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<tr>
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<td>X</td>
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<tr>
<td>Read History Log</td>
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<td>X</td>
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<tr>
<td>Read User Phone Book</td>
<td>√</td>
<td>√</td>
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</tr>
<tr>
<td>Service</td>
<td></td>
<td>Reserved for manufacturer use only</td>
<td></td>
</tr>
<tr>
<td>About</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
</tbody>
</table>

Table1. Users and Functions
MODULE CONFIGURATIONS

1. **Download Smartphone App**
   Search and download "**Platinum Cellink4G**" App from **Apple Store** for iPhones, or from **Google Play Store** for Android phones. Install the App and ensure the icon below is presented on the phone home screen.

![Cellink4G](image-url)

**Note:** Android App can also be downloaded from [www.platinumasi.com](http://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 #

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) **Read History Log**
    Select the item, enter an email address to receive the history log, choose history log page number (1-25) or log date (mm.dd) and press “SEND”. One page or the specific date of the history log will be sent to the email address.

    **Note:**
    a. The email may be dropped into the “Junk” folder in selected email address. Check and accept it as a normal email.
    b. If the email is unable to be sent properly, check the email address spelling and retry after 25 sec.

16) **Read User Phone Book**
    Select the item, enter an email address to receive the user phone book, choose user phone book page (1-7) and press “SEND”. One page of the user phone book will be sent to the email address.

    **Note:**
    a. The email may be dropped into the “Junk” folder in selected email address. Check and accept it as a normal email.
    b. If the email is unable to be sent properly, check the email address spelling and retry after 25 sec.

17) **Check Software Version and Network Signal Strength**
    On the replied message from the module, the software version and signal strength indicator (1-5) are shown as below. The strength value should be >=3 for reliable communication. The SMS counter represents the total received SMS messages,
18) Module Reset

If the module fails to respond commands after multiple retries, module can be reset remotely by making a voice phone call to the module. After three “RING” tones are heard, hang up and wait 20-25 sec for the module to reset.

Note: Module reset will not impact the saved configurations (phone numbers, schedules, etc.).

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.
**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.

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**Weekly Schedule Report**

**Clear Weekly Schedule Selection**