CAS 2700
Quick Start Guide

This document contains information and instructions on what to do when connecting to a CAS 2700 Gateway for the first time.

1. Determining the IP Address
Before connecting to the Gateway, you will need to determine the IP Address of the Gateway. By default, the Gateway is assigned a Static IP Address of 192.168.1.113 when it is shipped.

To find the IP Address, look on the back of the Gateway. There should be a business card attached to the back of the Gateway that has the IP Address and Reference #. See below for an example

![Business Card attached to back of CAS Gateway](Image 1.1 – Business Card attached to back of CAS Gateway)

Take note of the Ref# as this will be used by the support team to pull up additional information about the project.

The IP Address that is written on the business card should be the Static IP Address assigned to the Gateway.

2. Connecting to the Gateway
To Change the IP Address of the gateway, you will use a PC and connect to the Gateway using an Ethernet Cable. Either connect to the gateway directly to the computer using a cross-over Ethernet cable, or use a hub or a switch.

To detect the gateway, the computer must be on the same subnet as the gateway.

For example, if the gateway is assigned the following IP Address:
IP Address - 192.168.1.113
Netmask - 255.255.255.0
Default Gateway - 192.168.1.1

Set the computer to something similar:
IP Address - 192.168.1.100
Netmask - 255.255.255.0
Default Gateway - 192.168.1.1

2.1 Disable Other Networks
To use the tool to change the IP Address of the gateway, the computer must have only the Local Area Connection network enabled. All other networks must be disabled during the setup.

To disable all other networks, follow the instructions below.

1. Open the “Control Panel” and select the “Network and Sharing Center”.

Image 2.1 – Control Panel, Network and Sharing Center
2. Click on the “Change adapter settings”

Image 2.2 – Change adapter settings

3. Verify that all adapters other than Local Area Connection are disabled. **Note:** If using a laptop, make sure that the Wifi adapter is also disabled and not just turned off.

Image 2.3 – All networks but Local Area Connection are disabled
4. To disable the adapter, right-click the adapter and select “Disable” from the pop-up menu.

![Image 2.4 – Disable active Network Adapters](image)

5. Continue until only the Local Area Connection is the only adapter active.

2.2 Setting the IP Address of the Computer

To change the IP Address of the Computer to be in the same range as the Gateway, follow the steps below:

1. Open the “Control Panel” and go to “Network and Sharing Center”.

2. Click on the “Local Area Connection” in the “View your Active Networks” section to open the Local Area Connection Status window.

![Image 2.5 – Local Area Connection Status](image)
3. Click on the “Properties” button

![Image 2.6 – Local Area Connection Properties](image)

4. Click on the “Internet Protocol Version 4 (TCP/IPv4)” option and click on “Properties”

![Image 2.7 – IPv4 Option](image)
5. Select the “Use the following IP Address” option and fill out the IP Address, Subnet mask, and Default gateway fields and click “Ok” to complete the process.

![Image 2.8 – Set Static IP Address]

6. Close the “Properties” windows.

**Note:** After changing the IP Address of the CAS Gateway, remember to reset the computer’s IP Address.

### 3. Changing the IP Address

To change the IP Address of the gateway, you will need to use the IP Setup Tool. The tool can be found on the blue USB stick that comes with the gateway, or it can be downloaded from the following link: [http://www.chipkin.com/cas-gateway-ip-address-tool](http://www.chipkin.com/cas-gateway-ip-address-tool)
Run the IP Setup Tool application and you will see the following window:

![Image 3.1 – IP Setup Tool]

The ‘Select a Unit’ section will have the Gateway you purchased listed with the assigned IP Address.

To change the IP Address, change the fields list on the left side under the ‘NDK Settings’.

**Note:** Please do NOT change the Baudrate value.

Once you have changed all of the settings, click the ‘Set→’ button in the middle of the window. The Gateway will automatically reboot to assign the new IP Address.

After you have finished changing the IP Address, you may not see the device in the ‘Select a Unit’ anymore when pressing the ‘Search Again’ button. This is because your computer is now on another subnet than the Gateway.

Change your computer back to the original address and you should be able to see the Gateway again when you press the ‘Search Again’ button.

Now you can add the Gateway to the site network. Note down the new IP Address so that others will know the assigned IP Address.
4. Testing the Connection

After changing the IP Address, test the connection to the Gateway.

To test the connection, you can use one of two methods.

1. Open a Web browser and type in the IP Address of the Gateway into the address bar.
2. If the IP Setup Tool is still open, click on the Gateway in the ‘Select a Unit’ section and press the ‘Launch Webpage’ button. This will open a Web browser to the start page of the Gateway.

Regardless of the method, you will see the Start Here page of the Gateway. It should be similar to the following:

![Image 3.4 – CAS Gateway Start Here page](image)

If this page is visible, then the connection is good and you can log onto the gateway.
5. Logging In For the First Time

If you are browsing the webpages of the Gateway for the first time (or whenever the web browser’s cache is cleared), you may be prompted for a user name and password.

By default, when shipped, the Gateway comes with the following username and password:
- Username: admin
- Password: admin

After logging in, it is possible to change the password by accessing the System Page at http://ip/bin/system where ip is the IP Address of the Gateway.

Look for the “Change Password” section on the System Page as seen in the image below

Note: Username will always remain ‘admin’

6. Support

This driver was developed by Chipkin Automation Systems (CAS). CAS is proud to provide support for the driver. For support please call CAS at (866) 383-1657.

7. Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Resp</th>
<th>Format</th>
<th>Driver Ver.</th>
<th>Doc. Rev.</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016 Mar 04</td>
<td>ACF</td>
<td>0.01</td>
<td>0</td>
<td>0</td>
<td>Created Document</td>
</tr>
</tbody>
</table>