

Tekdis – Airlink User Tips

1. Use a std. browser (IE, Firefox, Chrome) to config the unit.

Make sure you PC Wifi is turned "OFF" so there is no conflict. The unit has a DHCP server built in so it will allocate an IP address to the PC connected via LAN/USB/Serial starting at 192.168.xx.100.

All the AceManager comms are set to use port 9191 so to connect to the unit via web browser and LAN cable:

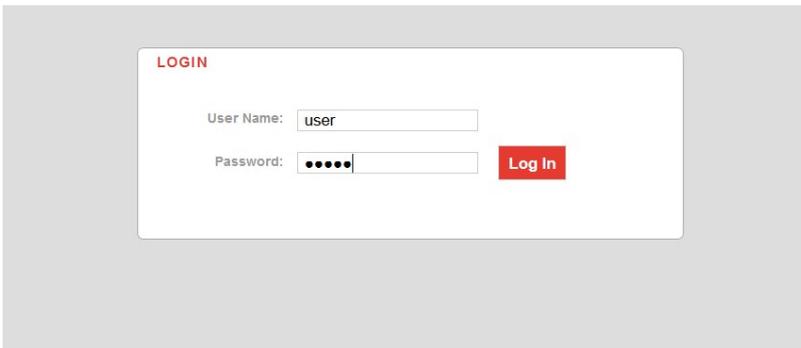
<http://192.168.13.31:9191>

User Name: user

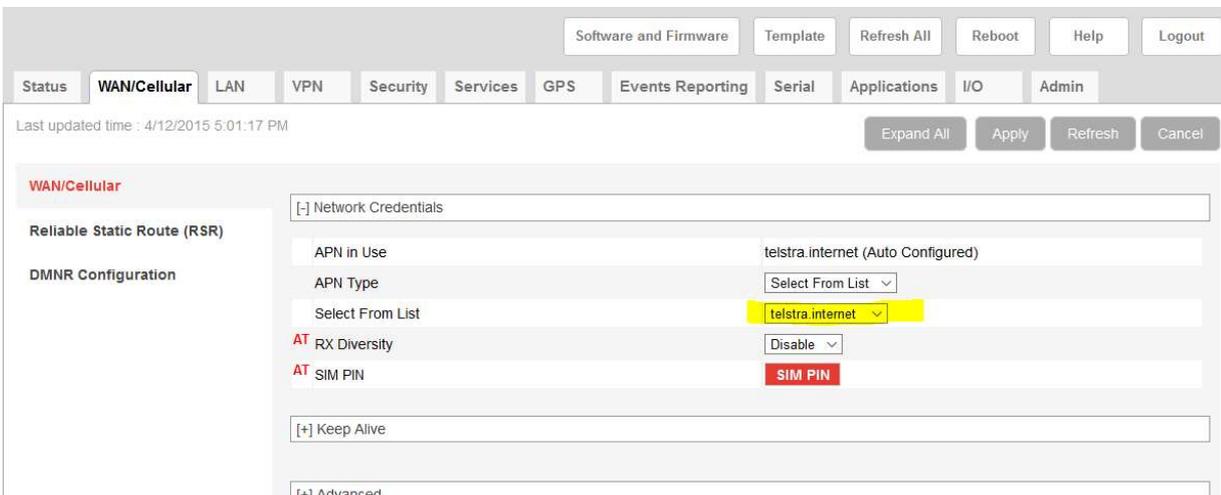
Password: 12345

Note: all lower case for user name

| Interface | AirLink device | Connected Device |
|--------------------------|----------------|------------------|
| Ethernet Private default | 192.168.13.31* | 192.168.13.100 |
| USB/NET | 192.168.14.31 | 192.168.14.100 |
| DUN | 192.168.15.31 | 192.168.15.100 |
| Wi-Fi* | 192.168.17.31 | 192.168.17.100 |



2. GX4xx - The DC lead version of the GX400 has a low power mode by default. To turn on the unit you need to connect the white wire to Vcc. This feature can be turned off in the ALEOS menu.
3. The only parameter that needs to be set to connect to the network is the carrier APN or select from the drop down list



4. To reconfigure the units once they are in the field make sure the Service->AceManager is set to OTA.

The screenshot shows the 'Services' configuration page. The 'ACEmanager' section is expanded, showing the following settings:

- [-] General
- ACEmanager Access - OTA: Both HTTP and SSL (dropdown)
- ACEmanager Access - Tethered Host: Both HTTP and SSL (dropdown)
- ACEmanager Port: 9191
- ACEmanager SSL Port: 9443 (dropdown)
- ACEmanager Session Idle Timeout (minutes): 15
- [+] Advanced

At the same time change the password from the default 12345 to something secure.

The screenshot shows the 'Change Password' page. The 'Advanced' section is expanded, showing the following fields:

- User Name: user (dropdown)
- Old Password: [text input]
- New Password: [text input]
- Retype New Password: [text input]
- Change Password (button)

5. If you don't have a WAN IP setup and hence fixed IP you need to set up Dynamic DNS. This requires:
 - a. A datalink with externally addressable IP address
 - b. Use Dynamic DNS to resolve the IP address of the unit – Sierra provide IP Manager FOC!!!

To get an externally addressable IP, speak to your Telstra dealer and have them add the code GPTEXB3 into MICA to enable. In the Status page the IP address of the unit should be 123.xxx.xxx.xxx. If you are getting 10.xxx.xxx.xxx this will NOT WORK!!!!

Config the Dynamic DNS in the Services-> Dynamic DNS page

The screenshot shows the 'Dynamic DNS' configuration page. The 'Dynamic DNS' section is expanded, showing the following settings:

- [-] Dynamic DNS
- Service: IP Manager (dropdown)
- [-] Dynamic IP
- AT Device Name: 353567041359200
- AT Domain: eairlink.com
- AT IP Manager Server 1: edns1.eairlink.com
- IP Manager Server1 Update: Only on Change (dropdown)
- AT IP Manager Server1 Update (minutes): 255
- AT IP Manager Server1 Key: [masked]
- AT IP Manager Server 2: edns2.eairlink.com
- IP Manager Server1 Update: Only on Change (dropdown)
- AT IP Manager Server2 Update (minutes): 255
- AT IP Manager Server2 Key: [masked]

Device Name – set this to something very unique and descriptive – not “modem” or some other device could accidentally overwrite it. There are limitation of characters supported and max length 20 characters.

Domain: eairlink.com

IP Manager Server 1: edns1.eairlink.com

IP Manager Server 2: edns2.eairlink.com

IP Manager Server Update = 0 means it will update whenever the IP address changes.

Under the **Admin->Advanced** tab set the periodic timer to 24 which forces the modem to reset every 24 hours.

| Status | WAN/Cellular | LAN | VPN | Security | Services | GPS | Events Reporting | Serial | Applications | I/O | Admin |
|---|--|-----|-----|----------|----------|-----|------------------|--------|--------------|-----|-------|
| Last updated time : 4/12/2015 5:08:57 PM | | | | | | | | | | | |
| <input type="button" value="Apply"/> <input type="button" value="Refresh"/> <input type="button" value="Cancel"/> | | | | | | | | | | | |
| Change Password | AT Date and Time 12/04/2015 06:08:52 | | | | | | | | | | |
| Advanced | Default Configuration Reset Allowed | | | | | | | | | | |
| Radio Passthru | AT Status Update Address 0.0.0.0/0 | | | | | | | | | | |
| Log | AT Status Update Period (seconds) 0 | | | | | | | | | | |
| Configure Logging | AT Power Input Voltage (volts) 12.13 | | | | | | | | | | |
| View Log | AT Board Temperature (Celsius) 40 | | | | | | | | | | |
| | AT Radio Module Internal Temperature (Celsius) 43 | | | | | | | | | | |
| | AT Number of System Resets 153 | | | | | | | | | | |
| | Periodic Reset Timer (hours) 0 | | | | | | | | | | |
| | Time of Day (ToD) Reset: Reset Interval (days) 0 | | | | | | | | | | |
| | ToD Reset: Time Zone Offset from UTC -7 | | | | | | | | | | |
| | ToD Reset: Hour of day when Reset occurs 1 | | | | | | | | | | |
| | Ping <input type="button" value="Ping"/> | | | | | | | | | | |
| | IP Logging <input type="button" value="IP Logging"/> | | | | | | | | | | |
| | Extended Archiver <input type="button" value="Extended Archiver"/> | | | | | | | | | | |
| Warning: performing a Reset to Factory Default will erase all customer defined settings | | | | | | | | | | | |
| | AT Reset to Factory Default <input type="button" value="Reset to Factory Default"/> | | | | | | | | | | |
| | Reset Mode Preserve Cellular Authentication Settings | | | | | | | | | | |
| | Mark <input type="button" value="Mark"/> | | | | | | | | | | |
| | Diagnostic shell access Disable | | | | | | | | | | |

Apply and reboot.

To test:

From a separate PC connected to the internet.

Open a CMD prompt

ping yourdevicename.eairlink.com

Then try to access the AceManager page over the WAN connection:

<http://yourdevicename.eairlink.com:9191>

You should then see the AceManager login screen.

Some companies have very tight port control on their internet so try a different PC or email sales@tekdis.com.au with test details.

6. To see the device status information at login screen:

Services configuration page showing 'Display Device Status on Login Screen' set to 'Disable'. The 'Status to display' section is divided into 'GPS Status' and 'Network Status'.

| GPS Status | Network Status |
|--|---|
| <input type="checkbox"/> GPS Fix | <input checked="" type="checkbox"/> Network State |
| <input type="checkbox"/> Satellite Count | <input checked="" type="checkbox"/> Network Channel |
| <input type="checkbox"/> Latitude | <input checked="" type="checkbox"/> RSSI |
| <input type="checkbox"/> Longitude | <input checked="" type="checkbox"/> Network Service |
| | <input checked="" type="checkbox"/> Network IP |
| | <input checked="" type="checkbox"/> EC/IO |
| | <input checked="" type="checkbox"/> Cell Info |

7. Once the device is configured correctly you can download the config to a template. This template can then be uploaded to new devices for easy deployment.

8. It is good to record the IMEI and MAC id of the device if you need to return to factory defaults using Modem Doctor

About page showing device information:

| | |
|-------------------------------|--|
| Device Model | GX400 |
| Radio Module Type | MC8705 |
| Radio Module Identifier | OSM001 |
| Radio Firmware Version | T3_5_5_2AP R674 CNSZXD00000155 2013/07/23 09:55:06 |
| PRI ID | 9993760 |
| AT Global ID | CA1183304741005 |
| AT GPS/RAP Device ID | |
| AT Ethernet Mac Address | 00:14:3e:13:02:80 |
| AT ALEOS Software Version | 4.4.2 |
| ALEOS Build number | 005 |
| Installation Type | FULL |
| Device Hardware Configuration | 12180306000700000000000000000000 |
| Boot Version | 1.0.11 |
| MSCI Version | 15 |
| Template Name | |