Quick Guide

The Main Screen *level 1,2,3:* **Some buttons on this screen may not be accessible for levels 1 and 2**

Sign Name – displays the current name given to the sign in the *Setup* screen.

Logout Clock – counts down the time until the system automatically logs out.

Current Date and Time – displays the current date and time from the system clock.

Message - current message type (permanent/changeable) and number designation is displayed.

Duration – how long the current message is set to display.

Day Plan – the current day plan number the system is set to display.

WYSIWYG – (What You See Is What You Get) shows the current activated message.

Log In/Out – logs the current user out of the system and returns to the *User Login* screen.

Status – pressing this button brings up the current operational status of the sign as follows:
• Battery Current – measure of amps being drawn by the system.
• Battery Voltage – total voltage of battery bank. (Low Voltage Lockout is set for 11.2VDC)
• Solar Cell Relay 1 – reflects the charging status of relay 1.
• Solar Cell Relay 2 – reflects the charging status of relay 2.
• Temperature – temperature of internal sign case.
• Avg Lux – reading from photocell measuring ambient light.
• GPS – latitude and longitude coordinates from telemetry board if module is installed.
NOTE: The Status button changes from 'Green' to 'Red' when the unit goes into low voltage lockout.

Admin – displays the **Set Time**, **Set up**, **Parameters**, **Reset**, and **Factory Defaults** buttons**.**

Brightness – displays screen used to control the brightness of the LED's on the display board.

Blank Sign – this button clears the display board of the current message.

Message – this button takes you to the *Message Control* screen. From this screen you can activate particular messages, create new messages, edit saved messages, and set defaults. (See chapter 8.0)

Scheduler – this button takes you to the *Scheduler* screen. From this screen you are able to schedule when certain messages appear throughout the day. (See chapter 9.0)

Pixels – this button brings up the current status of the LED's on the display board. (See chapter 4.0)

Radar – this button opens the *Radar Configuration* screen which allows the user to set trigger speed and upper limit. This page also provides for radar testing. (See chapter 10.0)

Activating a Previously Created Message *level 1,2,3*
From the *Main* screen click the 'Message' button.
• Click the 'Type' drop down box.
• Select either **Permanent**, **Changeable,** or **Sequenced**
• Move to the 'Num' drop down box, highlight the message to activate, and click it.
• Click the 'Activate' button in the top left corner.
• You should be taken back to the *Main* screen and the message you selected should now be displayed on the LED board.

Creating a New Message *level 2,3*
From the *Main* screen click the 'Message' button.
• Click the 'Create' button.
• Select any formatting tools directly **before** the text you want to be affected by them.
• Enter the text you want displayed. (If you do not see the text in the Virtual Display Board something is wrong and you need to verify your message is inserted correctly)
• If you want to save the message without displaying it click the 'Save' button
• If you want to activate the message click the 'Activate' button.
NOTE: Activating a message will save the message. The created message will be saved under Changeable category in next available empty slot / number.

Editing a Previously Created Message *level 2,3*
From the *Main* screen click the 'Message' button.
• Click the 'Type' drop down box.
• Select **Changeable** and press the left mouse button to make the selection.
• Click the 'Number' drop down box, highlight the message or empty slot / number to edit, and press the left mouse button.
• Click the 'Edit' button.
• Edit the message in the same manner as if you were creating a new message.
• If you want to save the message click the 'Save' button.
• If you want to activate the message without saving click the 'Activate' button.

Fonts & Permanent Messages *level 2,3*
Standard 18" character fonts: 4x7, 5x7, 7x7

Sequenced Messages *level 2,3:*
This feature allows the user to create large messages that have multiple messages with multiple pages. If the user needs to display Permanent Message 41 and 46 (for example) those messages are selected and put in the order the user desires. If a Changeable Message is to be displayed in the sequence, then the user must create and save the message prior to including it into the desired Sequenced Message. Once the Sequenced Message is completed to the user's specifications then press the save button at the bottom of the screen.

MAINTENANCE CHECKLIST

BEFORE DEPLOYMENT

Check the battery voltage level of each sign before deploying it. If the batteries are not fully charged then charge the batteries with AC power until a full charge is achieved.

WEEKLY

Clear/clean solar panels on deployed signs. A push broom should be sufficient to clear off most debris or snow. Ice should be removed ASAP by applying warm water. Wipe off the cells with rags or paper towels if there is considerable buildup. Do not use industrial cleaner.

MONTHLY

Check the batteries. Make sure there is plenty of distilled water in every cell of every battery. Check the poles of the batteries for buildup – Coca-Cola scrubbed with a wire brush is a quick remedy for removing buildup, applying Vaseline to the poles is a good preventive measure.

SEASONAL STORAGE

Fully charge and fully deplete batteries while in storage. If the sign is in storage for longer than a month, take the following measures to insure optimal battery and sign performance:

1. Blank the sign.
2. On a full battery charge, leave the sign unused for 30 days.
3. Use the AC adapter to charge the batteries for 2 days.
4. Repeat the 30/2 cycle for the duration of storage.

Letting the batteries die for an extended period of time may prevent them from holding a charge again. In a blanked state, the batteries may last longer than 30 days before running out of a charge, but we schedule the charging to coincide with regular monthly maintenance for user convenience. Also, when pulling a sign in from the field for either storage or maintenance the user may notice the mast is rusted and/or dry from being exposed to weather. DO NOT lubricate the mast to assist in the lowering process. If hydraulic operation is not possible for some reason, call our Service Department immediately.

See pages 29-31 of the Trailer Operations Manual for detailed maintenance information.

American Signal Service Department
770.448.6650 ext 3
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CELL PHONE ACTIVATION PROCESS

IP ADDRESS

Typically a GPRS modem will work on the AT&T network, and an EVDO or 1xRTT modem will work on the Verizon, Sprint, or Alltel networks.

You will need to provide the following to your cell provider:

1. Make, model, and ESN (Sprint/Verizon and other EVDO networks) or IMEI (AT&T and other GPRS networks) of the modem. This information is available on a label on the modem itself, which is mounted inside the sign case or control cabinet.
2. A request for phone number, public static IP address, Access Point Network (APN, if applicable), and username/password (if applicable).
3. A request for a Data Plan. Data needs can vary, and there may be several options to choose from. 50MB per month may be sufficient for moderate use, while 1GB per month or more may be necessary for frequent use. Pay-per-use and unlimited access plans are commonly offered.

After the above account activation, you will typically need to perform a device activation. Detailed programming and activation instructions are in your Amsig Remote Cellular User's Manual or provided modem manufacturer's manual.

For Amsig's Gen 4 line of products you will typically use port 8080 on your modem to access the sign's CPU. You will use this port number in conjunction with your IP address when setting up your signs for remote operation in your browser (ex. 123.45.6.789:8080), as described on page 33 of the Software Operations manual.

If there are installation or connection issues contact the Amsig Service Department at 770.448.6650 ext 3.

Dial-up

New dial-up service is no longer available from any of the major service providers. Existing dial-up accounts are still supported.

If there are connection issues contact the Amsig Service Department at 770.448.6650 ext 3.