



AMERICAN SIGNAL COMPANY
2755 Bankers Industrial Dr.
Atlanta, GA 30360
Phone: 770-448-6650
Fax: 770-448-8970

Quick Edit feature for Amsig PCMS

- Press the BLANK switch inside the control cabinet to turn off the current sign display.
- Press Q on the hand held (**Q**uick Edit).
- Enter an Extended- or Full-level password and press enter.
- In the top right of the next screen you will see P1L1 which means Page 1 Line 1. Enter the desired text for your first line, then press enter to go to the next line (P1L2). Enter the desired text for your second line, or press enter again to make blank lines. Once desired text is completed, press enter until all unused lines are entered as blank. A maximum of 3 pages with 3 lines of text each can be entered using Quick Edit (up to 4 lines of text for certain models).
- Once all 3 pages have been created the message is automatically saved with the next available CHANGEABLE message number, which will be displayed on your screen, and ACTIVATED for the sign display.
- Press the BLANK switch inside the control cabinet to display the activated message.
- Note: The message will be formatted according to the default message settings (font size, alignment, on/off time, etc.). The default message settings can be changed in the ADMIN menu. Individual message settings can be changed in the MESSAGE menu.

YouTube programming video: <https://www.youtube.com/watch?v=EP-8F5w3S48>

View or download the complete “Software Operations Manual” from our WX Products Support page:
<http://amsig.com/support/downloads/wx-support/>

Please see Sections 3.0-3.5 of the “Software Operations Manual” for information on displaying messages through the menu commands.

Please see Section 3.5 of the “Software Operations Manual” for information on creating sequence messages, which can include permanent messages and changeable messages together.

Please see Section 5.1 of the “Software Operations Manual” for more information on passwords.

Please see Section 5.6 of the “Software Operations Manual” for more information on message default settings.

If you have questions you can contact the Amsig Service Department at 770.448.6650 ext 3 or service@amsig.com.



AMERICAN SIGNAL COMPANY
2755 Bankers Industrial Dr.
Atlanta, GA 30360
Phone: 770-448-6650
Fax: 770-448-8970

POWER SYSTEM MAINTENANCE

Most Amsig portable message signs are designed to function on a 12VDC battery-powered system, using solar panels as the primary charging mechanism, and an AC adapter for supplemental charging. Power configurations may vary across models, or include custom/optional designs. If the batteries' voltage drops to 11.2 the sign will enter "Low Voltage Lockout" and will not display the intended message. Batteries that remain in a discharged state for an extended period of time may no longer hold an effective charge again. In a blanked state, the batteries may last longer than 30 days before running out of a charge. Amsig's recommended maintenance schedule was developed to coincide with regular monthly maintenance for user convenience.

PRIOR TO EACH DEPLOYMENT

Check the battery voltage level of each sign before deploying it. The battery voltage level is displayed in the top right corner of the handheld terminal's home screen. If the batteries are not fully charged then charge the batteries with AC power until a full charge is achieved, typically within 24-48 hours.

WEEKLY

Clear/clean solar panels. A push broom or cloth rag 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, wire brush, or other abrasives, as that could damage the solar cells and negatively impact performance.

MONTHLY, wet cell batteries only

Physically examine batteries. Make sure there is plenty of distilled water in every cell of every battery. Check the poles of the batteries for corrosive buildup – scrubbing the poles with Coca-Cola and a wire brush is a quick remedy for removing buildup; applying Vaseline to the poles is a good preventive measure. For more info visit: <http://www.trojanbattery.com/multimedia/#TrojanTips>

INDOOR STORAGE

Blank the sign display. Every 30 days, use the AC adapter to charge the batteries for 2 days. If using wet cell batteries, continue to follow the monthly maintenance procedure above.

OUTDOOR STORAGE

Blank the sign display. Position the units to maximize the solar panels' exposure to sunlight. If using wet cell batteries, continue to follow the monthly maintenance procedure above. Supplement solar charging with AC charging as necessary to maintain a battery voltage reading above 11.2.

Refer to the "Service and Maintenance Manual" for detailed information.

YouTube maintenance video: <https://www.youtube.com/watch?v=o2vs4yWJ2Bc>

View or download the complete "Service & Maintenance Manual" our WX Products Support page: <http://amsig.com/support/downloads/wx-support/>

If you have questions you can contact the Amsig Service Department at 770.448.6650 ext 3 or service@amsig.com.



*AMERICAN SIGNAL COMPANY
2755 Bankers Industrial Dr.
Atlanta, GA 30360
Phone: 770-448-6650
Fax: 770-448-8970*

GENERAL MAINTENANCE

Sign Case Mast

If the sign case mast shows extreme signs of rust, or if the raising/lowering operation is not smooth, Amsig recommends a **spray-on industrial graphite dry lubricant** for mast lubrication. If hydraulic operation is not possible for some reason, contact our Service Department immediately. DO NOT use liquid lubrication on the mast to assist in the lowering process.

Sign Case Mast Hydraulic Reservoir

If the hydraulic fluid needs to be replenished Amsig recommends using Proteck Super HD ATF, or a similar Automatic Transmission Fluid (ATF) that meets or exceeds the following major transmission performance requirements: Dexron III, Dexron II E, Dexron II, Dexron Ford Mercon, Type C-J, Type H, Allison C-4/C-3, Caterpillar TO-2, Dennison HFO, Vickers Vane Pump.

Axle Wheel Bearing Lubrication

Amsig recommends using a grease with the following characteristics: lithium complex thickener; minimum 215°C/419°F dropping point; NLGI No. 2 consistency; minimum viscosity index 80; includes EP, corrosion & oxidation inhibitor additives. Example sources of this type include Exxon/Mobil Ronex MP, Pennzoil-Quaker State Synthetic Red Grease, Valvoline Durabrand, and Shell Gadus S3 V220.

Touch-up Paint

For light duty touch up paint applications, Amsig recommends the following spray paints, or similar, for our two most common colors:

ORANGE: Seymour Paints, Spruce line, general use enamel, 98-28 Gloss Orange

BLACK: OneChoice Paint (PPG), undercoat products, SXA1030 Black Guide Coat

If you have questions you can contact the Amsig Service Department at 770.448.6650 ext 3 or service@amsig.com.



AMERICAN SIGNAL COMPANY
2755 Bankers Industrial Dr.
Atlanta, GA 30360
Phone: 770-448-6650
Fax: 770-448-8970

CELL PHONE MODEM ACTIVATION

Cell phone modems are used to provide remote access to your Amsig message signs. These devices provide Machine-to-Machine (M2M) communication from an Internet-capable interface (computer, smart phone, tablet, etc.) to the message sign CPU. The components that comprise the remote access feature are ever-evolving in scope and capability, so this section is provided as a guideline. Please contact your salesperson or the Amsig Service Department for assistance with your particular configuration.

Amsig's Secure VPN powered by Verizon

If you are taking advantage of Amsig's ITS Cloud Manager and Secure VPN for remote access of your Amsig message signs, your signs will arrive fully functional. There is no additional setup required.

User-owned cellular account

You will need to provide the following to your cell provider for account activation:

1. A request for a **public static IP address** for M2M communications. Your cellular provider will send you a SIM card with this IP address programmed on to it. This SIM card needs to be installed in your modem.
2. Modem IMEI (International Mobile Equipment Identity). The IMEI is a unique identifier for the device, similar to a traditional serial number. It can be found on a label on the modem itself, which is mounted inside the sign case or control cabinet.
3. A request for a Data Plan. Data needs can vary, and there may be several options to choose from. 5MB per month may be sufficient for minimal use, while 5GB per month or more may be necessary for frequent use. Pay-per-use and unlimited access plans are commonly offered.

Please refer to Section 7 of the "Software Operations Manual" for detailed information on remote access via Amsig's Web Control.

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