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## Quick Start Guide for American Signal's CMS-131T Digibrite Advantage Speed Radar Trailer

- At the main menu use the left [←] and right [→] arrows to select [Messages] and press [Enter].
- Once inside the Messages menu use the up [↑] and down [↓] arrows to select [Permanent Messages] and select [Enter] using the left [←] and right [→] arrows.
- Options are as follows:
  1. **Speed** is a continuous display either showing [0] if the radar does not detect anything or a speed reading for whatever the radar detects (This option uses the photocell for determining brightness).
  2. **Speed Bright** is a continuous display either showing [0] if the radar does not detect anything or a speed reading for whatever the radar detects (This option is always displayed at max brightness).
  3. **Speed Flash** is a speed display that is flashing with a 2 second off cycle (This option uses the photocell for determining brightness).
  4. **Speed F Flash** is a speed display that is flashing with a 1 second off cycle (This option uses the photocell for determining brightness).
  5. **Speed B Flash** is a speed display that is flashing with a 2 second off cycle (This option is always displayed at max brightness).
  6. **Speed BF Flash** is a speed display that is flashing with a 1 second off cycle (This option is always displayed at max brightness). Press Q on the hand held (QUICK Edit)
- Use the up [↑] and down [↓] arrows to select the desired message option. Once selected use the left [←] and right [→] arrows to select [Activate] and press Enter.

For further information please refer to the following sections of the provided Software Operations Manual:

Section 1.0	Intro	(Page 6)
Section 2.0	Handheld Terminal	(Page 7)
Section 2.1	Menu Navigation	(Page 9 only)
Section 3.4	Radar Setting Screen	(Page 15 & 16)
Section 14.0	CMS-131 Digibrite	(Page 52)

For Password information, please refer to the following sections of the provided manual.

Section 5.0	Admin Menu	(Page 18)
Section 5.1	Accounts	(Page 19)

For further assistance please refer to Amsig's online support library at <http://amsig.com/support/>, or contact our Service Department at 770.448.6650 ext 3 or [service@amsig.com](mailto:service@amsig.com).



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## 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 or wire brush.

### 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 display.
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** use liquid lubrication on the mast to assist in the lowering process. Amsig recommends a **spray on industrial graphite dry lubricant** for mast lubrication. If hydraulic operation is not possible for some reason, call our Service Department immediately.

Refer to sections 2.3, 3.4, and 4.3 of the Service and Maintenance Manual for detailed information.

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

**ORANGE** touch up spray paint: Seymour Paints, Spruce line, general use enamel, 98-28 Gloss Orange  
**BLACK** touch up spray paint: OneChoice Paint (PPG), undercoat products, SXA1030 Black Guide Coat



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## CELL PHONE ACTIVATION PROCESS

### IP ADDRESS

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

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

1. Make, model, and HEX ESN (Verizon/Sprint 3G) or IMEI (AT&T, and Verizon/Sprint 4G). 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. 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.

After the above account activation, you may 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 WebbExpress 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 **pages 25 and 29 of the Software Operations Manual**.

If there are installation or connection issues contact the Amsig Service Department at 770.448.6650 ext 3 or [service@amsig.com](mailto:service@amsig.com).

### Dial-up

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

For further assistance please refer to Amsig's online support library at <http://amsig.com/support/>, or contact our Service Department at 770.448.6650 ext 3 or [service@amsig.com](mailto:service@amsig.com).