

### SAFETY FIRST

Be aware that the battery version of the INVINCA VAS is heavy and additional assistance may be required during installation.

Ensure the site of installation has been fully risk assessed before continuing.

Please see the separate user manual for details on how to configure the INVINCA VAS detection settings.

### TOOLS REQUIRED

- M8 Tri-Head Key
- 4 mm Allen Key
- 5 mm Allen Key
- 13 mm Socket and Ratchet or Open Ring Spanner

### INSTALLATION

1. The battery version of the INVINCA VAS is intended for attended temporary installations and for use with our tripod mounting system.
  2. Unpack the Tripod and place in position with legs fully extended. **Do not attempt to adjust the extension height without the sign in place.**
  3. Open the INVINCA VAS using the Tri-head key.
  4. Slacken off the lower secondary M8 full nut on the inside of the post top bracket along with the Allen headed grub screw.
  5. Ensure the tripod adaptor is located in the cast door post recess.
  6. Position the INVINCA VAS on the Tripod.
  7. With the sign orientated in the required position firmly tighten up the Allen headed grub screw to prevent bracket rotation and finally lock up the M8 stainless steel nut.
  8. Switch the unit on by pressing the switch located on the black regulator as shown below.
- LS1024BPD  
PWM Solar Charge Controller

Power Switch - Press
9. Close the body back onto the door and firmly tighten Tri-head retainers to compress door seal.
  10. Providing the batteries are charged and after a short delay, the INVINCA VAS will display a test sequence until activated by an approaching vehicle. It will then operate normally.
  11. Adjust the height of the sign by slackening the extension locking screw then pulling out the extension release. The extension is hydraulically assisted and will raise to the next preset level. Pull out the extension release to move to the next level. Lock the extension in place by tightening the locking screw
  11. Dismantling is the reverse of assembly however please take care when retracting the tripod extension as this will need a little downwards pressure. The weight of the sign helps counter the hydraulic effect and should be left in place until the tripod is fully retracted and locked with the locking screw.
  12. Please see overleaf for charging instructions.
- Cast Door

Tri Head Screws

INVINCA VAS

Tripod adaptor with padlock staple
- Tripod extension locking screw.

Tripod extension release.

Tripod Leg locking screw.

Simmons signs Limited reserves the right to alter or improve this guide without prior notice.

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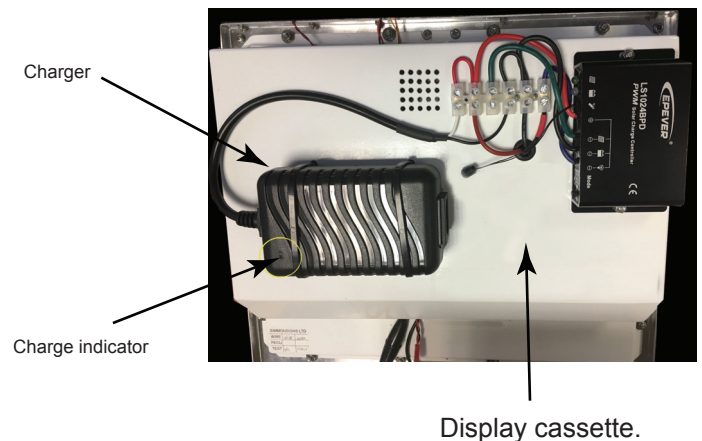
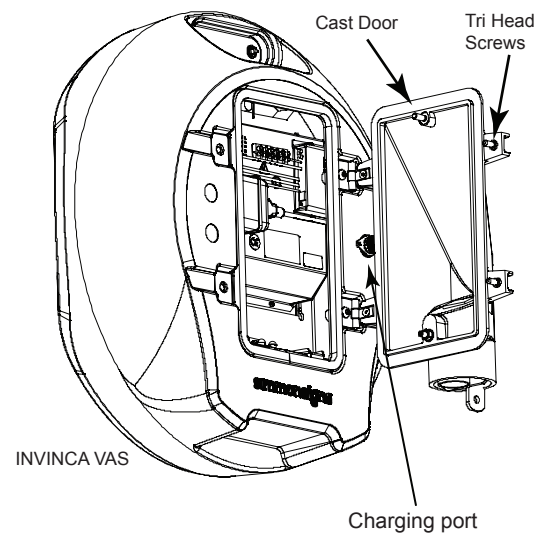
Please see the separate user manual for details on how to configure the INVINCA VAS detection settings.

### TOOLS REQUIRED

M8 Tri-Head Key  
Charge cable (supplied)

### BATTERY CHARGING

1. The INVINCA VAS battery system will power the unit for a full day of operation. The system will however require charging for continued use.
2. To charge the battery a connection port is provided on the back of the sign together with a matching cable which allows the sign to be connected to a standard 13A outlet. Access the charging port by removing the dust cap. Be sure to replace the dust cap once the unit is charged.
3. The built in charger and charge regulator will restore the battery in a few hours depending on the condition of the battery.
4. The sign can be charged overnight however more information on the charging system can be found by opening the sign and looking at indicators located on the charging unit.
5. To open the sign, unscrew the two Tri-head screws, and hinge the cast door open.
6. The charger will be visible on the back of the display cassette.
7. The charge indicator will be visible on the charger as a green or amber light.  
Amber - indicates charging.  
Green - indicates fully charged.
8. When finished, close the cast door and firmly tighten Tri-head retainers to compress door seal.
9. Remove the mains cable and the sign is ready for use.



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