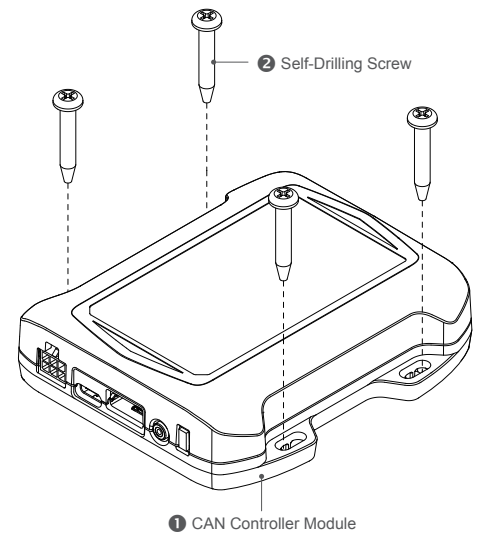
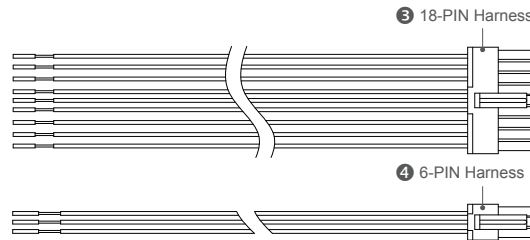


CAN Controller Module Installation & Operation Manual

ProSignal

CONTENTS

- ❶ CAN Controller Module x 1pc
- ❷ Self-Drilling Screw x 4pcs
- ❸ 18-PIN Harness x 1pcs
- ❹ 6-PIN Harness x 1pcs

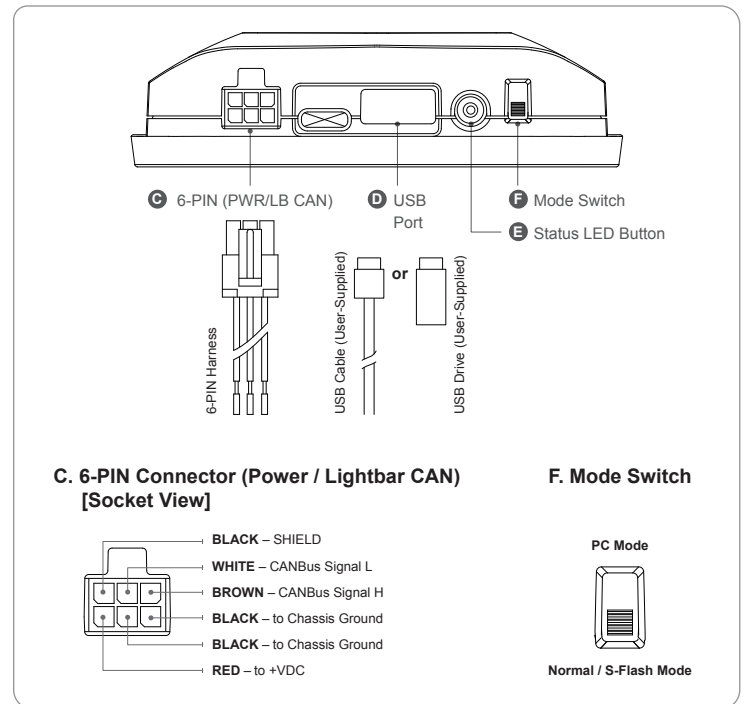
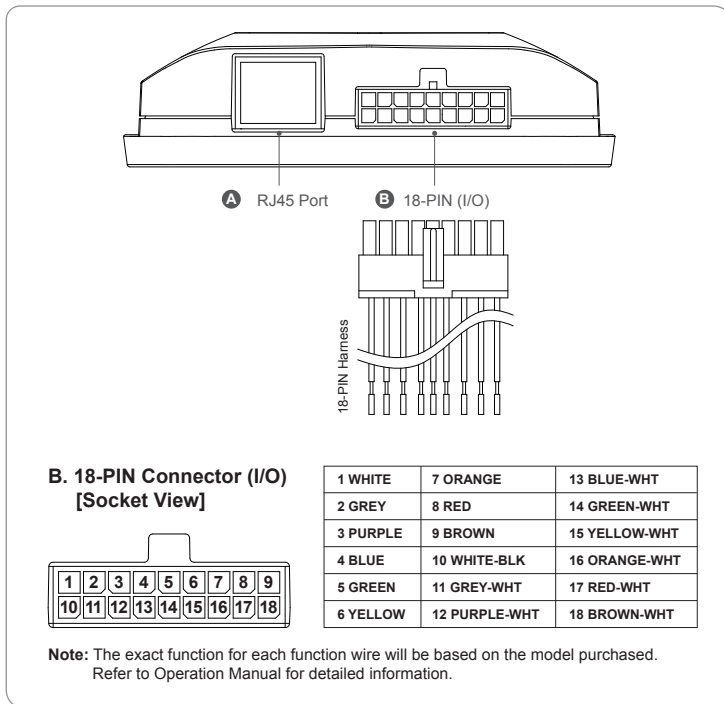


INSTALLATION

Proper installation of the product requires the installer to have a good understanding of automotive electronics, systems and procedures. It is essential to install the unit properly to ensure a safe and reliable operation. Please read through all instructions thoroughly and carefully before installing the unit.

1. Select a location that is not exposed directly to weather elements, such as the driver compartment firewall, below the seat, or in the trunk; avoid any interference of air bag deployment. (Test fit all cables and harnesses before proceed.)
2. Use the Drilling Template, mark and drill the mounting holes on the mounting surface.
3. Fit the CAN Module and each mounting screw to its proper position, and tighten the screws until secured.
4. Connect the harness and wires to the Wiring Diagram.

WIRING DIAGRAM



- A** RJ45 Port - Not used.
- B** 18-PIN (I/O) - Plug 18-Pin Harness to the socket.
Connect each individual I/O wire according to its function. (Refer to Operation Manual for detailed information.)
- C** 6-PIN (Power / Lightbar CAN) - Plug 6-Pin Harness to the socket.
 - Connect 2 CANBus signal and SHIELD wires to Lightbar CAN Cable. (Refer to Software Operation Manual for detailed information.)
 - Connect RED Wire to an ignition controlled circuit that can accommodate an additional 250mA load.
 - Connect 2 BLACK Wires to Chassis Ground.
- D** USB Type-A Port (S-Flash Port) -
 - Connect to PC via a Type-A Cable (user supplied) for PC programming. (Refer to Software Operation Manual for detailed information.)
 - Plug-in a pre-prepared USB drive for speed software flash (S-Flash). (See next page "S-Flash".)
- E** Status LED Button - (See next page "S-Flash").
 - Green (Steady-burn): System normal.
 - Green (Flashing Double): S-Flash completed.
 - Red (Flashing Double/Triple/Six): S-Flash failed, retry steps.
 - Red (Flashing Quad/Quint/Steady-burn): Hardware Error, try reboot the system.
- F** Mode Switch - Flip the switch upward for PC Mode, else flip downward for "S-Flash" (See next page "S-Flash") and normal operation. Lightbar will not function in PC Mode.

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PROGRAMMING - via PC

All function wires may be customized and re-programmed via PC connection and specialized PC software.

Flip Mode Switch to PC Mode. Connect the lightbar to PC via a Type-A Cable for programming.

For more information about PC programming and Software, please refer to Software Manual or contact your sales representative.

PROGRAMMING - via USB Drive (S-FLASH)

All function wires may be customized and re-programmed via pre-prepared USB Drive without using PC or other specialized tool.

Follow the steps below to accomplish the S-Flash:

1. Ready and plug the prepared USB drive into the USB port on the CAN Controller Module.
(For how to prepare the USB drive, please refer to Software Manual or contact your sales representative.)
2. Check that Mode Switch is at Normal / S-Flash Mode.
3. Power-up the CAN Controller Module by applying +VDC to RED wire on the 6-PIN harness.
4. Press Status LED Button once to start S-Flash.
5. Once done, the Status LED should display Flashing Green continuously.
6. If the Status LED displays Flashing Red continuously, repeat step 4 or check your USB drive and the software file.
7. Unplug the USB drive and press Status LED Button again to reboot your CAN Controller Module.
8. Once rebooted, the Status LED should display Steady Green.
9. The new software is loaded and ready for use. Test all function of your lightbar before actual operation.

DRILLING TEMPLATE

