



SmartCraft to SMX Digital Display Upgrade Kit

Thank you for purchasing the SmartCraft to SMX Digital Display Upgrade Kit from Seaboard Marine Inc. All of the contents included will allow you to fully monitor your engine parameters, faults, and external inputs in one compact digital screen. The complete system is comprised of a digital screen, display to SmartCraft J-box harnessing, and sometimes optionally available external input kits (i.e. Transmission, EGT, NMEA 2000 however this kit does not usually come with these options unless specifically requested and setup custom). The display kit is plug n' play ready and will immediately display engine related

Beginning the Install

Before the SMX screen(s) can be installed, you must first remove your existing SmartCraft DieselView or VesselView digital screens from the dash area. When removing the existing panel, be sure to follow the harness that is connected to the SmartCraft screen and disconnect it from the 4 or 6-way junction box.

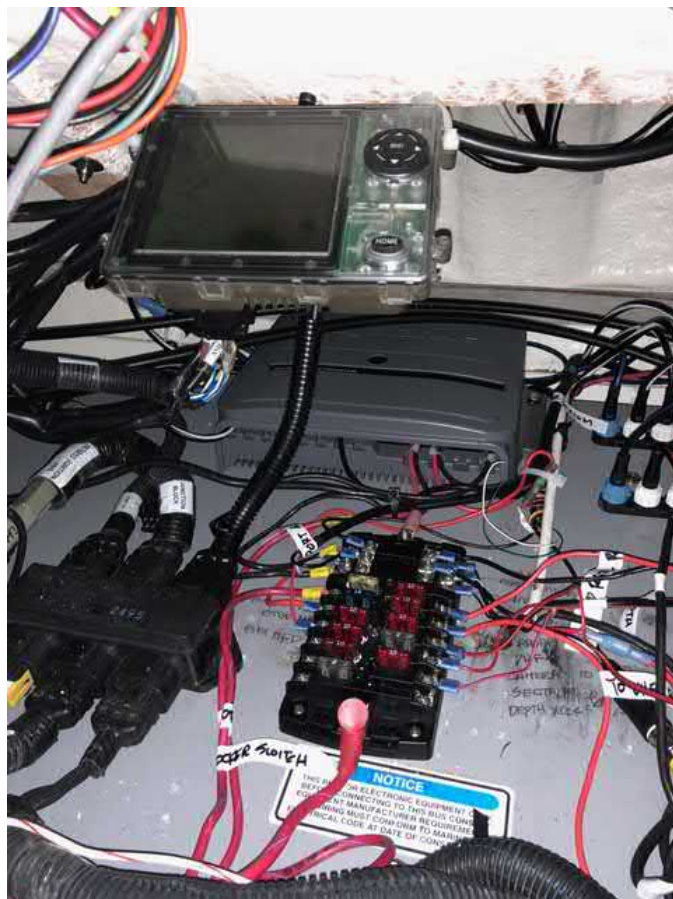


Figure 1: SmartCraft Junction Box

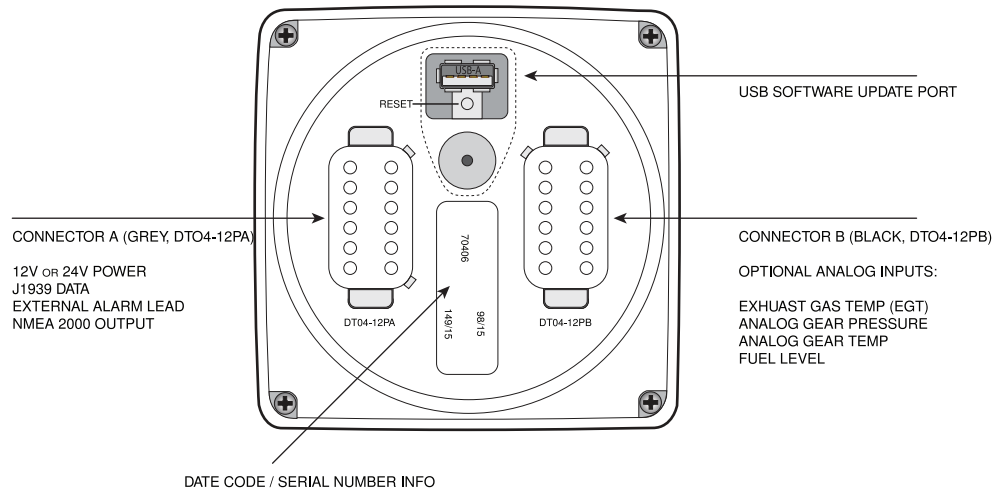
Important note: All of the ports on either the 4 or 6-way junction box all provide exactly the same access to the engine computer via the harnessing so it does not matter which port you plug into.

Getting to know the hardware (cont.)



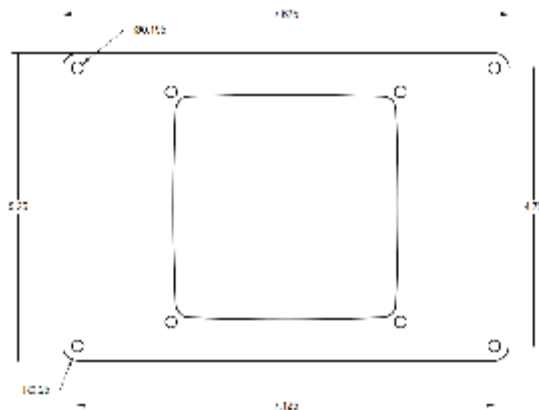
Figure 1: SMX SeaView Console

Display Components

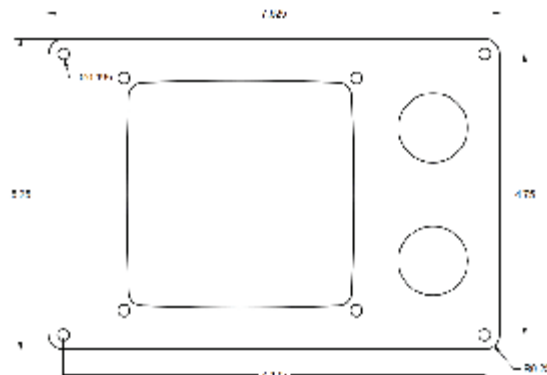


Available SMX Starboard Display Frames

Starboard Frame no DVMs



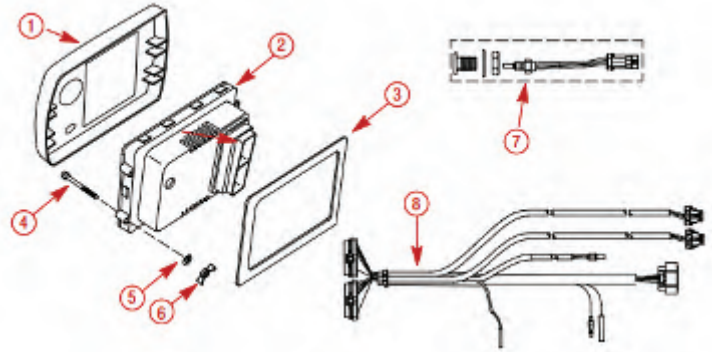
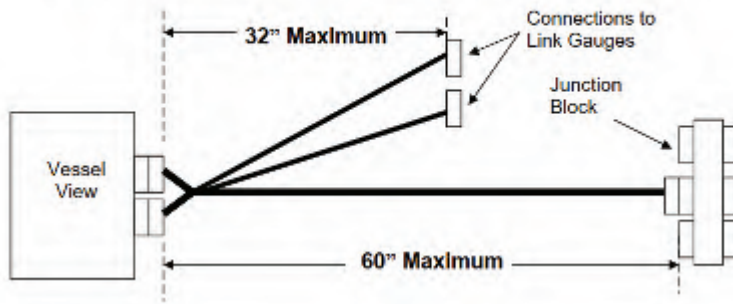
Starboard Frame with DVMs



Locating the junction Box behind the helm dash area

The SmartCraft junction box(es) are never to be installed more than 60" from the digital display screens so locating them should be straight forward.

Figure 7: Vessel View Interface Harness Dimensions



Description of Kit Components

- #1 Digital Display: Choose either the SMX SeaView or SMX ED-X Digital Display
- #2 SmartCraft junction box connection
- #3 Optional additional display (SeaView option only)
- #4 Digital display connection
- #5 Display configuration jumper & (optional) NMEA2000 output connection

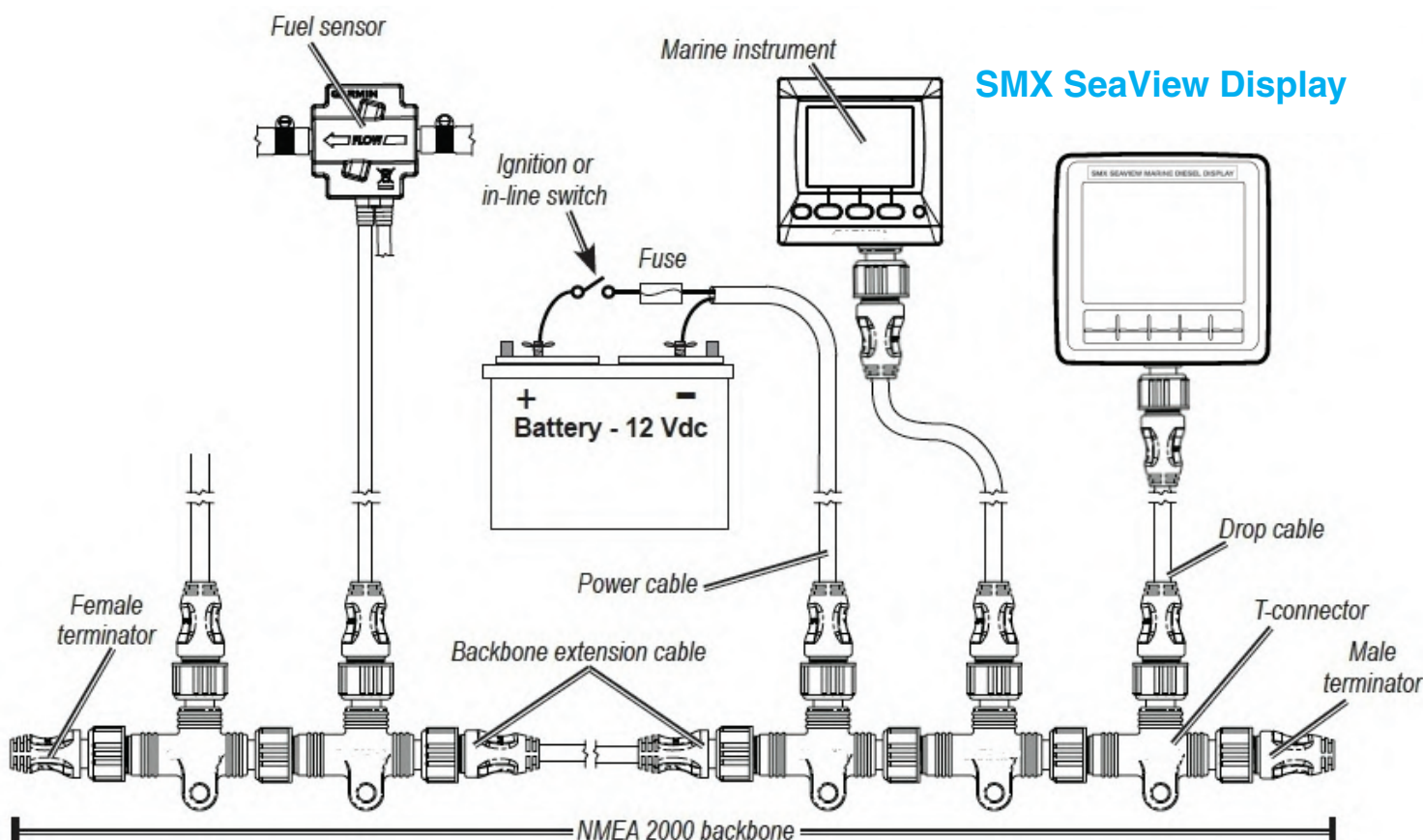


Installing and Configuring the NMEA harness (option):

If you have selected this option, a standard 5-pin NMEA 2000 communication will be provided pre-wired into the display. This harness will need to be connected into your existing NMEA backbone with a standard NMEA drop “T”. If you have a twin engine vessel, the displays will be pre-configured for PORT & STBD and will be marked accordingly. No modifications should be necessary on the display side, so once installed, you will need to setup, import, and configure the engine(s) on your NMEA 2000 compatible device network.

NOTE: If the device needs to be changed from or to PORT or STBD, enter the menu by holding down the far right button, then go to **SYSTEM CONFIG > ENGINE ID** and make the required change.

NMEA Network example:



Common Functions & Frequently Asked Questions:



Access the Main Menu Functions

The main menu can be accessed by pressing and holding the far right button (key 5).



Reset Trip Information

First gain access to the main menu by pressing and holding the far right button (key 5). Then navigate to SYSTEM CONFIGURATION > TRIP RESET



Setup PORT & STBD Engine Data for NMEA 2000

First gain access to the main menu by pressing and holding the far right button (key 5). Then navigate to SYSTEM CONFIGURATION > ENGINE ID and set the PORT engine to PORT or SGL and the STBD engine to STARBOARD. This will force the engine data to flow to the NMEA bus properly as P&S engine data.

Updating the Display via USB

If you have a need to update the display software and/or configuration, this can be easily done with a standard off the shelf USB data drive. With the device powered on, insert the USB data drive into the back of the display. System software updates with prompt throughout the process. Configuration updates will flash the digital screen BLACK, then re-appear with a simple “beep”.

