NAV6 Display Upgrade Procedure

This document describes the procedure required to upgrade the software in NAV6 and NAV6plus display. The procedure applies to either:

displays that have installed software earlier than Version 1.50,

or

displays not connected to a NAV6 Receiver V2 or NAV6 eNAVTEX Receiver.

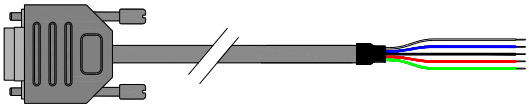
Note: If you have a NAV6 Receiver V2 or NAV6 eNAVTEX Receiver and your display software is Version 1.50 or higher you can upgrade the display software and NAVTEX database via the USB connector on the receiver. USB upgrade is not covered in this document.

What you will need:

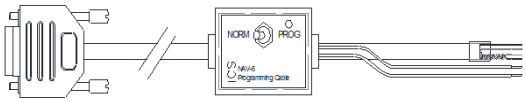
A PC, laptop or tablet running Windows 7,8 or 10.

A NAV6 Programming Cable.

NAV6 Display Programming Cable



Older Version NAV6 Programming Cable



A Serial to USB convertor

(Required if your computer does not have a serial port).

A valid product Upgrade Code from your upgrade voucher.

Please note: Updating an older version NAV6 display is a technical task. Please read these instructions carefully. If you are unsure about any of the procedure, we would recommend you seek assistance from a professional Marine Electronics Engineer or contact support at ICS for more information.

Also note, the station database will be updated after the upgrade and any messages that were stored will be erased.

Upgrade Procedure:

1. Contact ICS by telephone or email and request an upgrade for your display. You will need to include details of the Upgrade Code from your voucher, the serial number of your NAV6/NAV6Plus Display, your contact details and your email address.

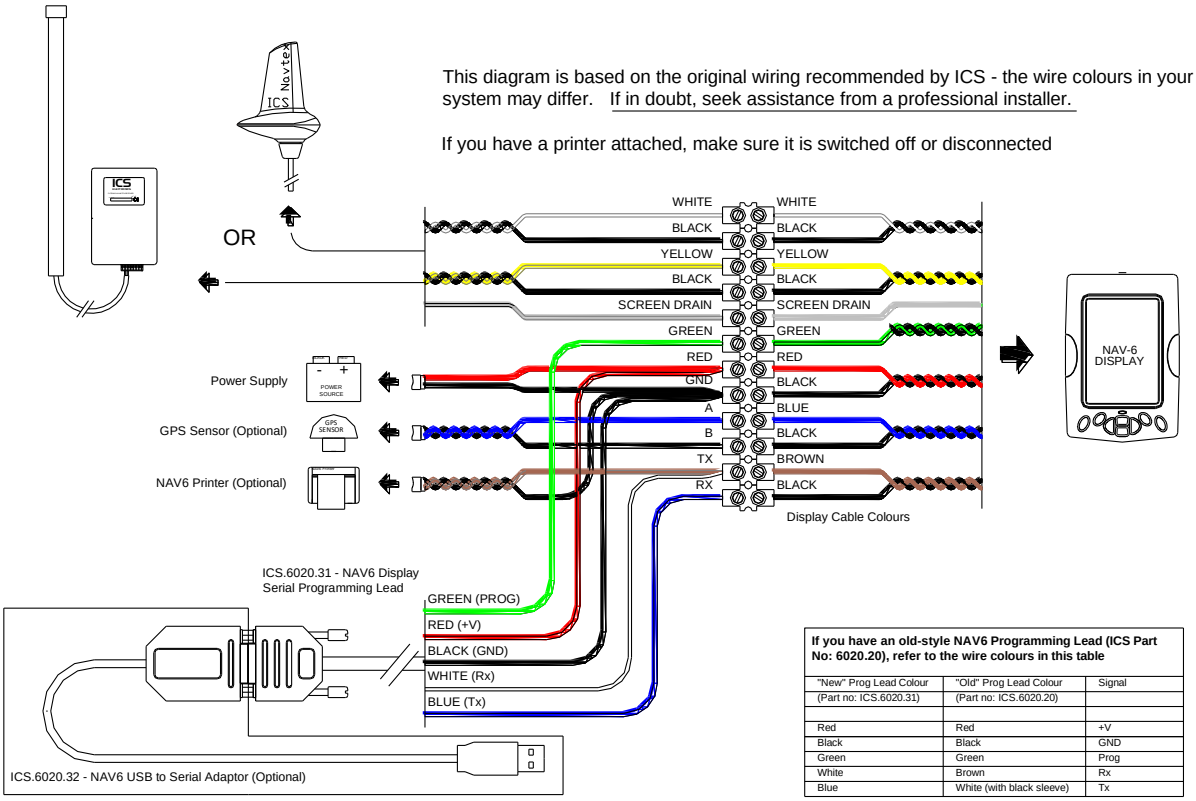
2. By return you will receive a NAV6 software upgrade email.

3. The email will contain instructions, attachments and/or links as appropriate with instructions on how to proceed.

4. Ensure the power to your NAV6 system is turned off.

5. Connect the computer that will be used to upgrade your display using the Programming Cable as shown in the diagram below appropriate to your installation. If you are using an older Programming Cable (with an integrated switch box), ensure that the 'PROG' switch is in the 'ON' position.

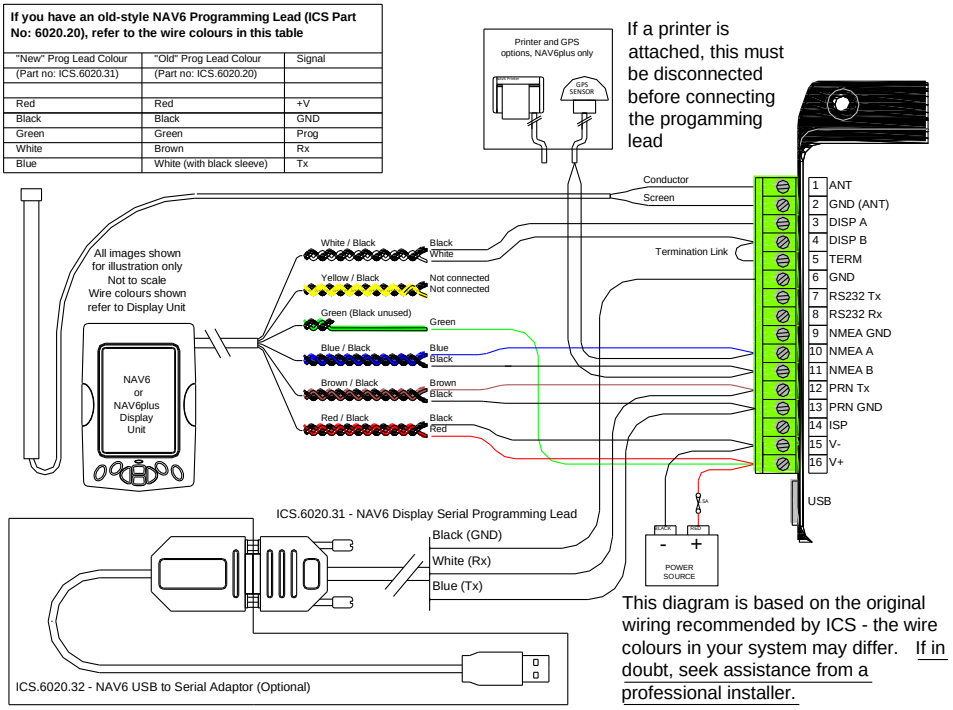
Programming Cable wiring for NAV6 displays with software earlier than Version 1.5 using the 'fin' style active antenna or a NAV6A receiver (white box)



If you have an old-style NAV6 Programming Lead (ICS Part No: 6020.20), refer to the wire colours in this table

"New" Prog Lead Colour (Part no: ICS.6020.31)	"Old" Prog Lead Colour (Part no: ICS.6020.20)	Signal
Red	Red	+V
Black	Black	GND
Green	Green	Prog
White	Brown	Rx
Blue	White (with black sleeve)	Tx

Programming Cable wiring for NAV6 displays with software earlier than Version 1.5 using the a V2 or eNAVTEX antenna replacement (black box)



This diagram is based on the original wiring recommended by ICS - the wire colours in your system may differ. If in doubt, seek assistance from a professional installer.

7. Switch on the power to the NAV6 display.
8. After a couple of seconds the red LED on the NAV6 Display should illuminate and stay on – the NAV6 Display screen should remain blank.
9. You are now read to proceed as per the instructions contained in the email and its associated documents.

NAV6 Display Upgrade Procedure

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