NOTE: M1 firmware v5.2.8 or later is required in order for Navigator to synchronize and display the names of Areas, F Keys, Lights, Outputs, and Tasks. ElkRP software v2.0.10 is recommended when programming a M1 system that includes a Navigator.

Mounting

Navigator can be wall mounted without a pre-wire box. If a pre-wire box is used, it MUST BE a single (1) gang electrical box designed for "New Work", and it should be installed sideways (horizontal).

Separate the Navigator front assembly from the backplate by gently inserting a small flat blade screwdriver into each of the four (4) locking slots one at a time until the front releases. Be cautious when handling the front assembly. Avoid touching or damaging any exposed components. Do not bend or pull on the flat ribbon cable that loops over the bottom edge and plugs into the back of the board.

Insert data bus cable through marked entry. Position backplate level on the surface with TOP facing up. Install min. two screws in mounting holes provided.

Warning: Single gang electrical boxes designed for "Old Work" have a wide outer trim dimension and may not be suitable for use with Navigator. Installer should test fit before installation!

Navigator Backplate
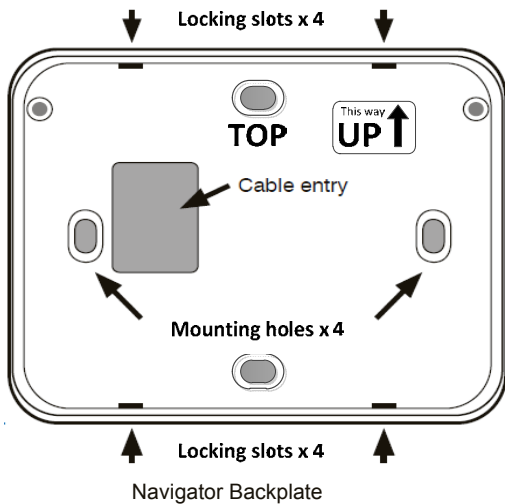
NOTE: An optional surface box (ELK-M1BBKN) is available for use on concrete or block (non-hollow) surfaces, or where wire raceway is needed.

Wiring Connections

Splice the four (2) wires on the plug-in cable to the Data Bus Cable wire from the Control. Use "B" connector splices or solder and tape the connections.
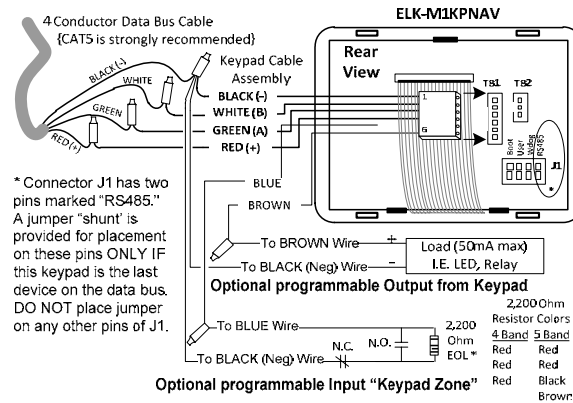
The optional Zone Input # and Output # is determined by the Keypad Address.

Keypad Address	Zone #	Output #	Keypad Address	Zone #	Output #
1	193	193	9	201	201
2	194	194	10	202	202
3	195	195	11	203	203
4	196	196	12	204	204
5	197	197	13	205	205
6	198	198	14	206	206
7	199	199	15	207	207
8	200	200	16	208	208

NOTE: Connector TB1 (6 pin) is for the 6-wire Keypad Cable Assembly. TB2 (3 pin) is for a special RS232 cable (sold separately) used by an optional PC Software Utility Program for flashing the firmware and/or quickly setting up the Installer information page. Call Elk for details.

Connections if using CAT5 Wire and a ELK-M1DBH Hub
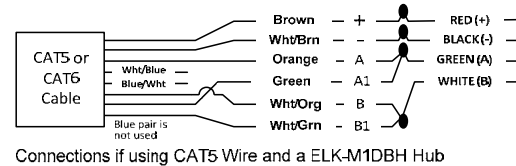
Re-attaching Front to Backplate

Plug the 6-wire cable assembly into connector TB1 on the board. The polarity ribs should face the side gap. When removing this cable, always grip the connector body itself. DO NOT TUG OR PULL on the wires. Tuck loose cable and splices out of the way.

Position the bottom edge of Navigator inside the lower ledge of the backplate, and then rotate the top back towards wall. Gently press until the 4 snaps engage in the slots. DO NOT FORCE! If units do not snap together, start over double checking for any loose wires of connections which may be interfering.

Start-Up Screen

On power up the Start-up screen displays the Keypad Version, M1 Serial number, and the Keypad (data bus) Address *IF* one is currently set.

It an address is not set it will display "Please Set Keypad Address". If "Waiting to connect to panel" is displayed then a data bus enrollment needs to be performed from an already enrolled keypad.

Change (Set Keypad) Address

Each Keypad connected to an M1 must have its own address, unique to any other keypad(s) on the system. Press "CHANGE ADDRESS" on the Start Up screen to bring up the Set Keypad Address screen.

NOTE: If the Main User Screen is displayed then pressing and holding the "CLEAR" key for 15 seconds will bring up the Set Keypad Address screen.

The current keypad address will be illuminated. Any address(s) with a RED border indicate a keypad currently enrolled to the M1 panel. RED bordered addresses CANNOT be used for this keypad. Press any unused keypad address button to select that address for this new keypad.

Default Keypad - Pressing the "Default Keypad" button will clear the keypad address, M1 serial number enrolled into the panel, function key names, task names, lighting names and output names and area names. It will not clear installer information.

EXIT – Pressing this button or the Red "X" in the top right corner will exit the Set Keypad Address screen.

Data Bus Enrollment

A message "Please enroll keypad into panel" will display if the keypad address does not match an address currently enrolled in the M1, or has never previously been enrolled into any M1.

Perform a Bus Enrollment using an already enrolled keypad OR the ElkRP Remote Program software.

Once the keypad receives valid data from the M1 panel (and is enrolled) it will display the message "Synchronising Panel Status".


The Start-up screen displays until all current status data is collected from theM1 panel. Once this is complete the keypad will move on to the following MAIN USER screen.
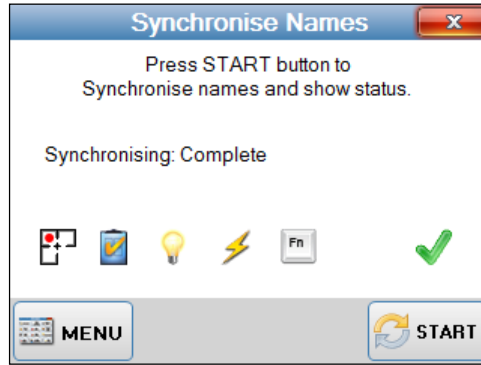
Main User Screen

MENU Screen – Synchronise

If programming changes are made to M1 then a manual Synchronise should be performed to update any Area, Tasks, Lighting, Outputs and Function (F) Key names. On the Main Screen press "MENU", then "Next Page" to locate the Synchronise button.
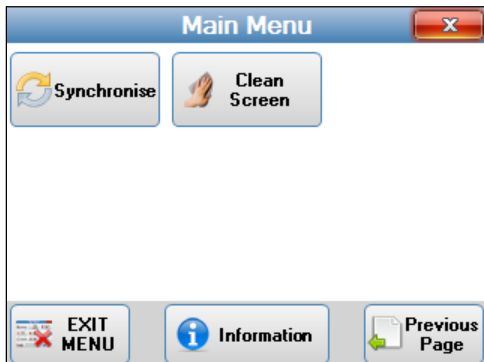

Press "Synchronise" and then "START" to synchronise and upload all the names.

Once this is complete press the red "X" button on the top right corner of the screen.

MENU Screen – "Information"

Contact information for the Installation Company may be entered and stored in Navigator to provide the customer contact information for system expansions, future sales or customer service. This screen is displayed whenever the "Information" button is pressed on the Menu Screen.
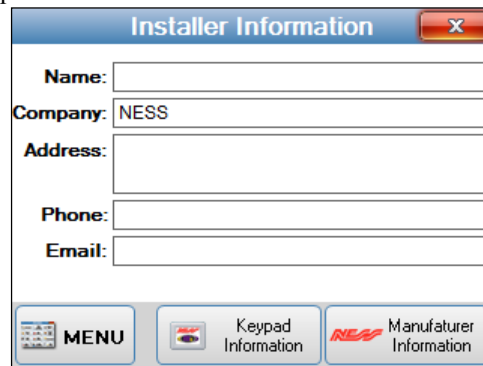

The Installer Information can ONLY be edited from the Installation Programming Menu accessible using the Installer Program Code.

To return to the Menu screen press the "MENU" button. To return to the Main User screen press the red "X" or the "Exit Menu" button.

Installer Programming

To use Navigator for programming the M1 Control press the "Installation Programming" button on the Main Menu screen. Installer Programming Menus are organized on 2 pages. Detailed information about programming for M1 can be found in the M1 Installation & Programming Manual.
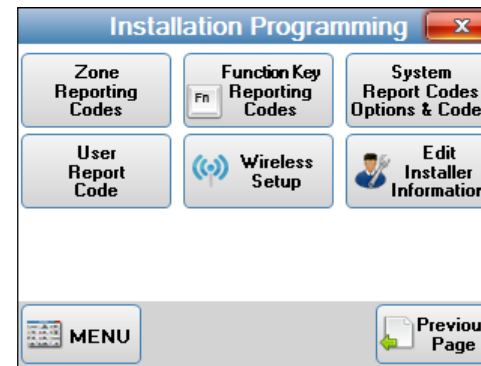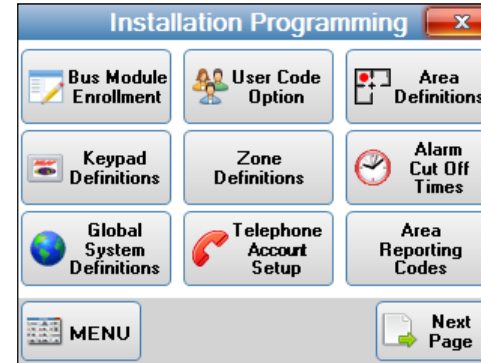
Navigator is proudly designed and manufactured in Australia for Elk Products by Ness Corporation.

NAVIGATOR

ELK-M1KPNAV Touchscreen Keypad
Specifications, Installation, and Setup

Introduction

Navigator is a stylish new Touch Screen Keypad for use with the M1 Control System. It features a touch sensitive 3.5" LCD Color display with bright, easy to use graphic icons and softkeys. Connection to M1 panel is via the RS485 bus, making it simple for new or retrofit installations. Navigator makes the M1 Control System extremely easy to operate.

FEATURES

- Hi-Contrast LCD Touchscreen Display
- Six (6) Programmable Function Keys
- Unique "Menu" Navigation
- Operates on 4-wire RS485 Data Bus
- Built-in Piezo Sounder with Adjustable Pitch
- One (1) Supervised Zone Input
- One (1) "Switched Positive" Voltage Output

SPECIFICATIONS

- Screen Size: 3.5" Diag.
- Resolution: 320 x 240 pixels – Landscape
- Connection: 6 Pin Plug-in "Flying Lead" Cable
- Operating Voltage: 13.8 VDC
- Current draw: ~30mA Idle (Back light on low, sounder Silent.) ~ 55 mA fully active.
- Dimensions: 4.25"W x 3.38"H x .59"D
- Color: Silver back plate with white front bezel (Black or Silver front bezels sold separately)

Features & Specifications subject to change without notice.