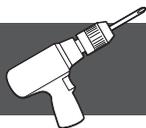


M1 NAVIGATOR

Touch Screen Keypad



- Hi-Contrast LCD Touchscreen Display
- Six Programmable Function Keys
- Unique Menu Navigation
- Fully compatible M1 data bus device
- Built-in Piezo Sounder with Adjustable Pitch
- One Supervised Zone Input
- One "Switched Positive" Voltage Output



Installation & Programming Guide

NESS

CORPORATION



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designer and
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high quality security
products”*



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NESS M1 NAVIGATOR MANUAL Rev1

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INTRODUCTION

Navigator is a stylish Touch Screen Keypad for use with the M1 Gold and M1EZ8 series Controls. It features a touch sensitive 3.5" LCD Colour 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 is not only stylish but it makes the M1 Control System extremely easy to operate.

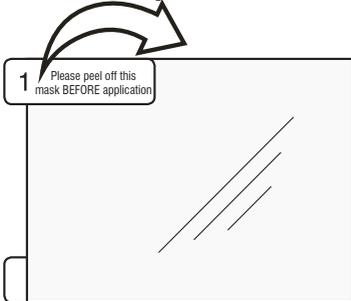
PROTECTIVE FILM

Navigator Touch Screen Keypad is supplied with two self-adhesive screen protectors. Please apply one protector and keep the other as a spare.

The Protective Film is supplied to protect the sensitive touch surface from marks and scratches which may appear under normal use. We highly recommend you apply the film to keep your touch screen looking brand new for years to come.

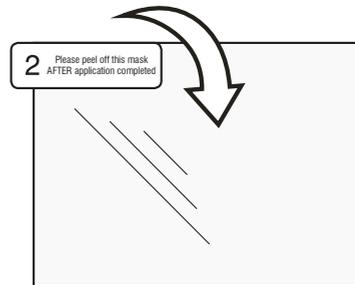
STEP 1.

Use the Number 1 tab to peel off the self-adhesive backing.



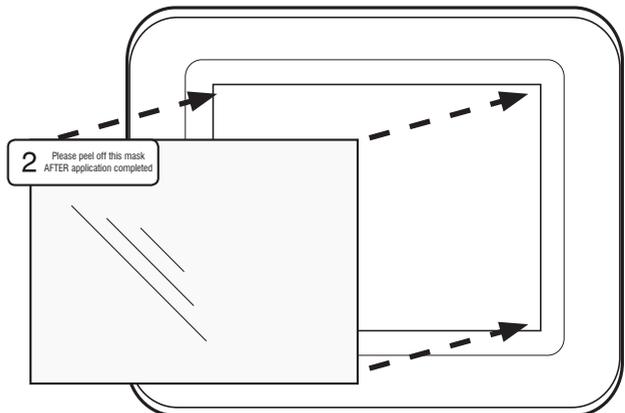
STEP 2.

Flip the film over to position the No. 2 tab at the top left.



STEP 3.

Holding the protective film by the No. 2 tab, carefully apply the film to the Navigator's screen. Start applying at one end and smooth the film as you go to remove any air bubbles.



STEP 4.

Use the No. 2 tab to peel off and discard the topmost layer of the film. Your Navigator is now ready for use.

MOUNTING

Separate the front assembly from the back by gently inserting a small flat blade screwdriver into the four (4) locking slots, one at a time until the front releases.

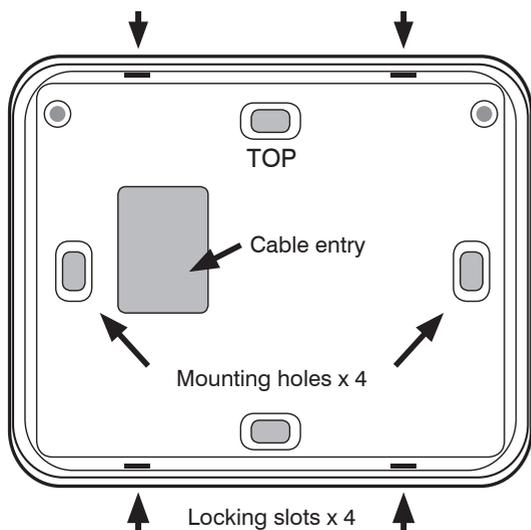
Use caution when handling the front assembly to avoid damaging any exposed components. Do not bend or pull the flat ribbon cable.

Level the backplate on a flat mounting surface with the arrow pointing up. Attach with two or four screws through the mounting holes provided. Navigator can also be mounted on a single gang box mounted horizontally.

RE-ATTACHING NAVIGATOR TO THE BACK-PLATE

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

Position the bottom edge of Navigator inside the lower ledge of the backplate, 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.



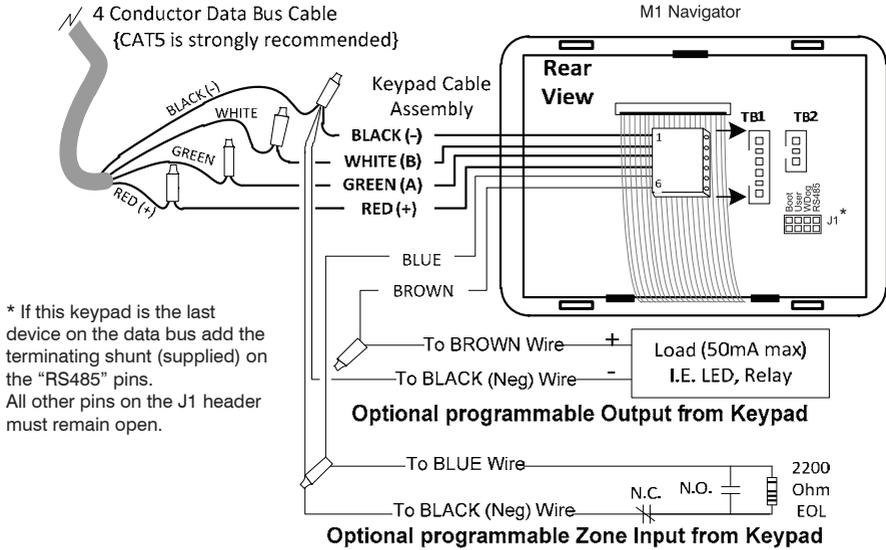
Navigator Keypad backplate.

NOTE: An optional backbox (Part No. 165-437) is available for use on concrete or block (non-hollow) surfaces.

WIRING & CONNECTIONS

Connect the six (6) wire cable assembly to the Data Bus Cable wire leading from the Control. Use Ness Gel connectors or solder and tape the connections.

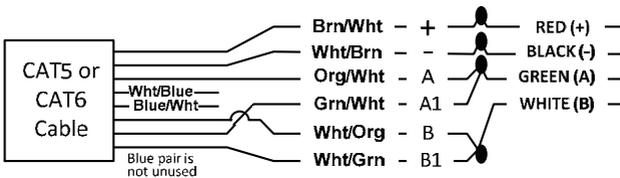
As a member of the M1 keypad family, M1 Navigator has a supervised zone input, a switched positive voltage output and is fully addressable M1 data bus device.



* If this keypad is the last device on the data bus add the terminating shunt (supplied) on the "RS485" pins. All other pins on the J1 header must remain open.

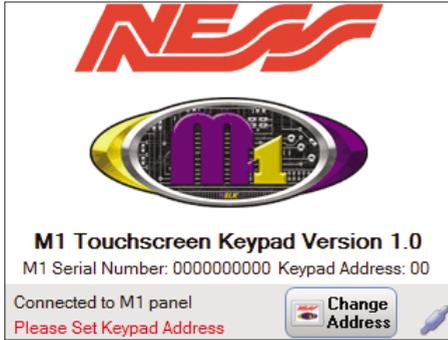
The optional Zone Input # and Output # is determined by the Keypad Address.

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



START-UP SCREEN

On power up the Start-up screen displays the keypad Version, M1 Serial number, and the data bus address only IF the keypad is currently set with an address.



If a keypad address is not currently set the display will show "Please Set Keypad Address". Otherwise it will display "Waiting to connect to panel" until Navigator receives valid data from the panel.

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 display the Set Keypad Address screen.



The current keypad address will be highlighted. Addresses with a RED border are already enrolled to the M1 panel and are not available for use.

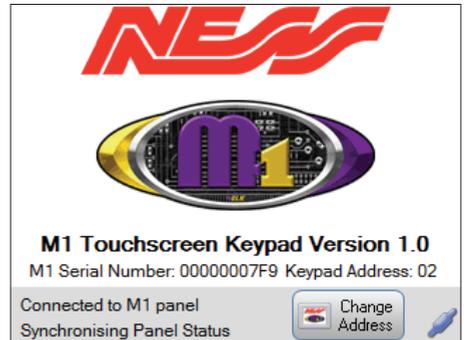
Press an unused number to select that address for this keypad.

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.

DATA BUS ENROLMENT

If the keypad address does not match an address that is currently enrolled into the M1 then a message will display "Please enrol keypad into panel". This will also display if the keypad has not been previously been enrolled into any panel.

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



The Start-up screen displays until all current status data is collected from the M1 panel. Once this is complete the keypad will move on to the MAIN USER screen.

MAIN USER SCREEN



MANUAL SYNCHRONISE

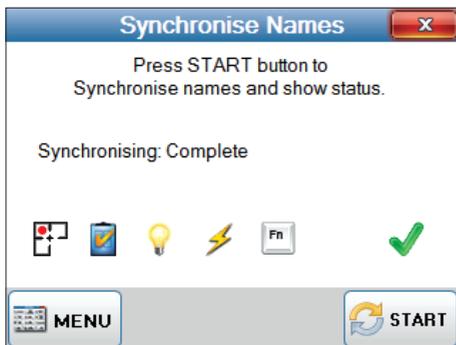
If programming changes are made to M1 a manual Synchronise must be performed to update the names for Area, Tasks, Lighting, Outputs and Function (F) Keys. On the Main Screen press "MENU", then press "Next Page" to locate the Synchronise button.



On the Main Screen press "MENU", then press "Next Page" to locate the Synchronise button.



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

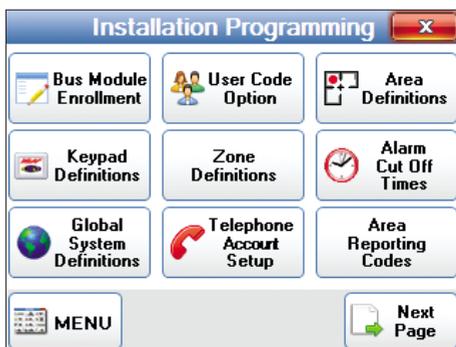


INFORMATION SCREEN

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 Main Menu.



The Installer Information can be edited from the Installation Programming Menu.



SPECIFICATIONS

DIMENSIONS	108w x 86h x 15d mm.
DISPLAY TYPE	3.5" Colour LCD
DISPLAY RESOLUTION	320 x 240
TOUCH SCREEN	Touch sensitive surface
HARDWARE COMPATIBILITY	Ness M1 Controls M1 panel firmware version 5.2.8 or later is required for Navigator to synchronize and display the names of Areas, F Keys, Lights, Outputs, and Tasks.
SOFTWARE COMPATIBILITY	ElkRP software version 2.0.10 or later is required to setup and program M1 Navigator.
OPERATING VOLTAGE	13.8VDC supplied by the control panel
CURRENT DRAW	~30mA Idle (Backlight on low, sounder silent.) ~ 55 mA fully active.
COLOUR	Silver Back with White fascia. Black fascia is available separately - Part No. 106-123
