HVIN:IDTOUCH1

# **Inovonics Wired Touchscreen** Keypad Installation Instructions

## 1 Overview

The Inovonics Intrusion System IDTOUCH1 touchpad connects to the Gateway Mark II hybrid panel for reliable performance and intuitive control. Featuring a sleek, high-resolution seven-inch full-color display, it allows users to easily arm, disarm, and bypass the system while providing real-time system status and alerts.

### 1.1 Inovonics Contact Information

For product and installation videos visit us at www.inovonics.com/videos or use the QR code below.

If you have any problems with this procedure, contact Inovonics technical support:

- E-mail: support@inovonics.com.
- Phone: (800) 782-2709.

### 1.2 IDTOUCH1 Touchpad Components

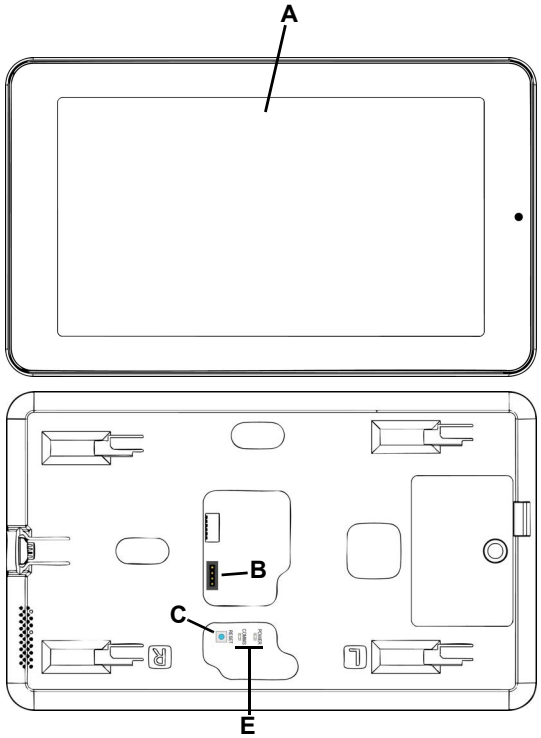



**Figure 1** IDTOUCH1 touchpad components

**A** Touchscreen

**B** Gateway Mark II connection terminal

**C** Reset button

**D** LEDs

### 1.3 Operation LEDs

The following LEDs are used to monitor touchpad operation:

POWER: Lit when the touchpad is powered.

COMMS: Lit when communicating with the Gateway Mark II.

### 1.4 Operation Buttons

The following buttons are used for the touchpad operation:

RESET: Used for a hard reset during troubleshooting.

### 1.5 Installation Notes

- These products are designed to be installed and maintained by professional security technicians.
- Products are tested for indoor use.
- All products should be manually tested weekly.
- The Gateway Mark II can only power and backup a single touchpad and meet the UL 24-hour battery backup requirement.

## 2 Mounting and Wiring

### 2.1 Mark and Drill Holes

1. Use the included touchscreen back plate onto the wall and mark two screw holes and the wire cutout.
   - Use a level to ensure the mount is
   - When mounting to plasterboard, drill two 7/64 inch (2.5mm) holes.
   - When mounting to masonry, drill two 1/4 inch (6mm) holes for the included wall anchors.
2. If the wire is being fed through the wall, drill an appropriately-sized hole in the wall for the wire to feed through

### 2.2 Mount the Touchpad Back Plate

1. Mount the included wall mount back plate to the wall using the included screws and anchors.

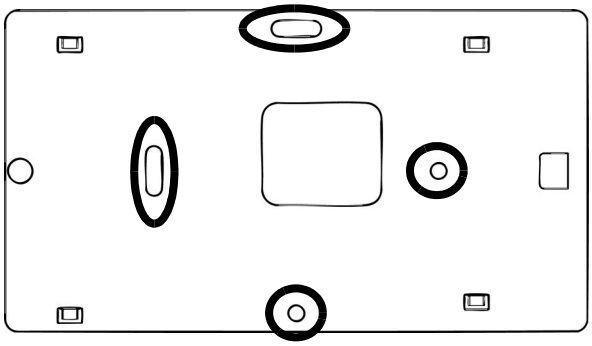


**Figure 2** Touchpad back plate mounting holes

### 2.3 Connect Primary Touchpad to the Gateway Mark II

The Gateway Mark II connection terminal accepts one 16, 18, or 22-gauge wire, or up to two 18-gauge wires per terminal. Wiring between the graphic touchpad and the Gateway Mark II must comply with the maximum wiring length as follows. This cable length is based on a maximum allowed voltage drop of 3 Vdc at startup.

| **Maximum Cable Run** | **Wire** |
|---|---|
| Length Between Panel and Touchpad | Gauge (AWG) |
| Less than 150 ft | 22 |
| 150 - 350 ft | 18 |
| 350 - 600 ft | 16 |

If a longer run is required, install an additional power supply listed for Fire Protective Signaling, power limited and regulated (12 VDC nominal), with a

battery backup at the end of the run at the touchpad. The maximum wire run length cannot exceed 2500 feet.

To connect the primary touchpad to the Gateway Mark II:

1. Use the included female connector to wire the touchpad to the Gateway Mark II as shown in Figure 3, “Connect the primary touchpad to the Gateway Mark II.”.

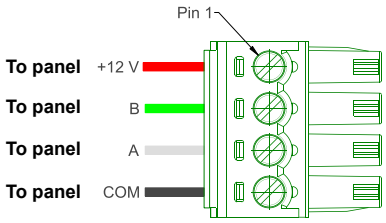



**Figure 3** Connect the primary touchpad to the Gateway Mark II.

2. Feed cabling through one of the wiring knockouts in the Gateway Mark II.
3. Connect to one of the Gateway Mark II’s RS485 buses per the *Gateway Mark II Installation and Operation Manual*.

## 3 Connect Additional Touchpads to the Gateway Mark II

The panel can only power the single primary touchpad. Use appropriately listed AC to DC power supplies for additional touchpads that meet the following specifications:

- Input: 100-240V 50/60Hz.
- Output: DC 12V, 1.5A, 18W.

The external power supply ground and panel ground must be connected, and the last touchpad on a cable run longer than 500 feet must be terminated.

To connect additional touchpads to the Gateway Mark II:

1. Use the included female connector to wire the touchpad’s data terminals to the Gateway Mark II as shown in Figure 4, “Connect additional touchpads to the Gateway Mark II.”
2. Wire the female connector to the power supply as shown in Figure 4, “Connect additional touchpads to the Gateway Mark II.”.

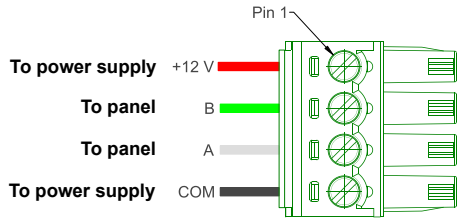



**Figure 4** Connect additional touchpads to the Gateway Mark II.

3. Feed cabling through one of the wiring knockouts in the Gateway Mark II.
4. Connect the data terminal to one of the Gateway Mark II’s RS485 buses per the *Gateway Mark II Installation and Operation Manual*.
5. Connect the power supply terminals to the power supply.

## 4 Mount the Touchpad to the Back Plate

1. Slide the touchpad onto the back plate in the opposite direction of the camera until you feel a click.

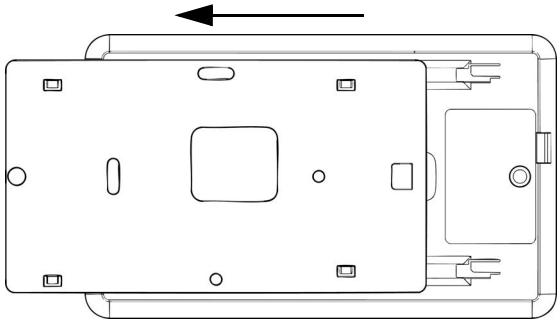
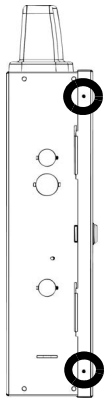


**Figure 5** Install the touchpad onto the back plate

## 5 Secure the Gateway Mark II Housing

1. Close and lock the housing door.
2. As desired, secure the door shut on one or both sides with a #8 sheet metal screw.



3. Secure the housing (left side shown)

## 6 Startup

The IDTOUCH1 Touchpad will start up as soon as power is applied. For further instructions, see the *Inovonics Intrusion System User Guide*.

## 7 Specifications

Dimensions: 7.75" x 4.5" x 0.5".

Weight: 1 lb.

Power requirement: 18W.

WiFi: Wi-Fi 6, WPA-2, 2.5 gHz and 5 gHz.

Operating environment: 32°F (0°C) to 120°F (49°C); 0% to 85% relative humidity, non condensing.

Storage environment: -40°F (-40°C) to 158°F (70°C); 0% to 85% relative humidity, non condensing.

**Note:** Inovonics supports recycling and reuse whenever possible. Please recycle these parts using a certified electronics recycler.

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

## ISED Statement

- English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.