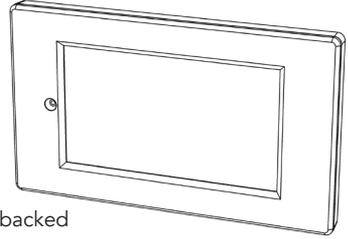


The RE657WF Flat Mount Touchpad is an intuitive interface for controlling the security system. Designed to cover unsightly marks, the Flat Mount Touchpad is well suited for takeover situations. It is AC powered and communicates with the panel wirelessly.

Features

- Vibrant 7" Android™ tablet display
- Provides local control of security and automation functionality
- Expanded footprint for covering marks left by pre-existing keypads
- Encrypted, Connect+ and BAT-Connect enabled, battery-backed Wi-Fi™ connection

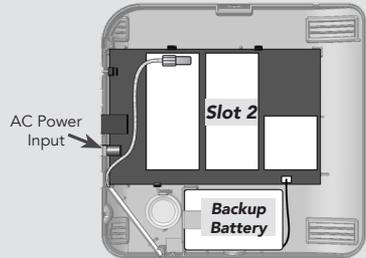


Installation Overview for Connect+

1. **Confirm the panel** has a Wi-Fi DeviceLink card installed.

Installing the Wi-Fi DeviceLink Card

- Disconnect the panel's AC power and backup battery.
- Install the Wi-Fi DeviceLink card in **Slot 2** by carefully aligning the nylon retention posts and the 8-pin connector while pushing the card firmly until all posts are fully seated.
- Reconnect the panel's AC power and backup battery.
- Verify the Wi-Fi card LEDs are on.



2. **Choose a mounting location.**

3. **Identify your network** and verify signal strength before mounting it permanently.

1. Ensure the panel is powered.
2. Power the Touchpad by applying AC power.
3. Select the "Connect" option to see the available networks. If the "Connect" option is not available, press "Setup" then "Factory Default". The Touchpad can be connected to either the Wi-Fi DeviceLink card or the home router for internet access. (Internet access allows camera control and the ability to modify users.)
4. Once a network is determined, verify the signal strength. If the signal strength displayed is less than 35, relocate the Touchpad or Connect+ panel. If neither options are available, install an RE621 Touchpad Range Extender.

Note: If connecting to a home network router, the Connect+ needs to be connected to the same network via ethernet. The Touchpad cannot connect to the panel over an unsecured or open network.



By default the Touchpad network list will show Connect+ and BAT-Connect access points. To view all networks in range tap the "Show all networks" button at the bottom of the network list.

4. Mount the Touchpad. Refer to section "Touchpad Mounting" for mounting instructions.

5. Enroll the Touchpad by pressing the enroll button on the side of the panel until it beeps once and then select the desired network.

Note: If connecting to a home network, enter router credentials at the Touchpad. After a connection is established, the Touchpad will discover all devices on the network. Select the desired panel. After selecting the desired panel, the Touchpad will progress through stages of discovery and authentication. Upon success it will show the DISARMED screen. If the wrong panel was selected, press the "Restart" button in the side menu.

Troubleshooting Steps if Enrollment Fails:

- Confirm the panel is disarmed and in wireless enrollment mode. A red light will flash on the panel if in wireless enrollment mode.
- Check whether the panel is already full. The limit is four Touchpads. To confirm number of Touchpads connected, log into your account.
- Tap the "Restart" button to try again.

6. If using cameras or user management features, you must log in to the Alula Cloud as the account owner. To log in go to Settings and select Touchpad. Enter master code, then select Alula Cloud. Sign in with Alula Cloud user name and password.

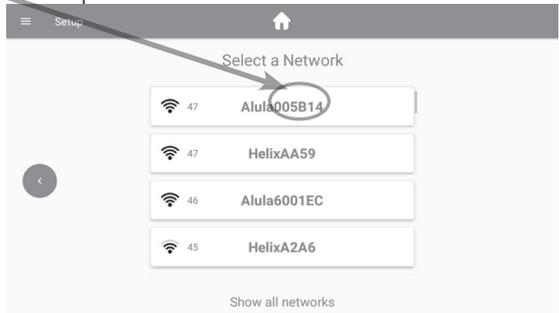
Note: internet access is required.

7. Test the Touchpad by arming and disarming the panel from the Touchpad.

Installation Overview for BAT-Connect

1. Choose a mounting location.
2. Identify your network and verify signal strength before mounting it permanently.

1. Ensure the system is powered.
2. Power the Touchpad by applying AC power.
Note: The Touchpad cannot run off panel bus. Existing wiring needs to be moved to the provided power adapter. For additional details, please refer to Touchpad Mounting section.
3. Select the "Connect" option to see the available networks. If the "Connect" option is not available, press "Setup" then "Factory Default". The Touchpad should be directly connected to the BAT-Connect access point. The Touchpad can access the internet directly through the BAT-Connect.
Note: Internet access allows camera control and the ability to modify users.
4. Once a network is determined, verify the signal strength. If the signal strength displayed is less than 35, relocate the Touchpad or BAT-Connect.
Note: in order for the Touchpad to access the internet through the BAT-Connect access point, the BAT-Connect must be connected via ethernet or Wi-Fi.



3. **Mount the Touchpad.** Refer to section "Touchpad Mounting" for mounting instructions.
4. **Enroll the Touchpad** by pressing the enroll button on the BAT-Connect for 2-3 seconds. Select your network, then select next. Enter the CRC of the BAT-Connect, which can be found on the inside cover of the BAT-Connect. The Touchpad will progress through stages of discovery and authentication. Upon success it will show the DISARMED screen. If the wrong device was selected, press the "Restart" button in the side menu.

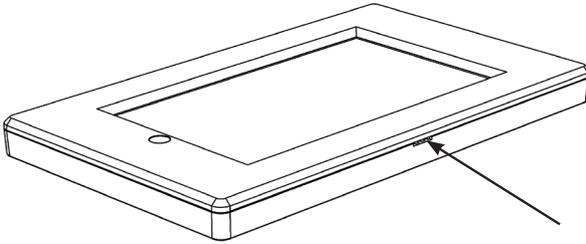
Troubleshooting Steps if Enrollment Fails:

- Confirm the system is disarmed and in wireless enrollment mode. The DeviceLink LED on the BAT-Connect will flash when in enrollment mode.
- Check whether the panel is already full. The limit is four Touchpads. To confirm number of Touchpads connected, log into your account.
- Tap the "Restart" button to try again.

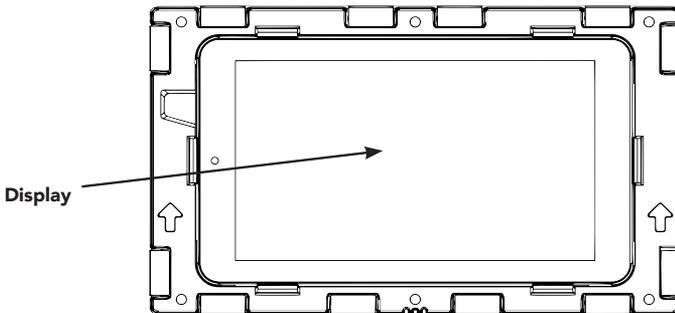
5. **If using camera or user management features**, internet access is required. In order to access the internet your BAT-Connect must be connected via ethernet or Wi-Fi. In addition you must log in to the Alula platform using the account owner user name and password. To log in go to Settings and select Touchpad. Enter master code, then select Alula Cloud.
6. **Test the Touchpad** by arming and disarming the system from the Touchpad.

Touchpad Mounting

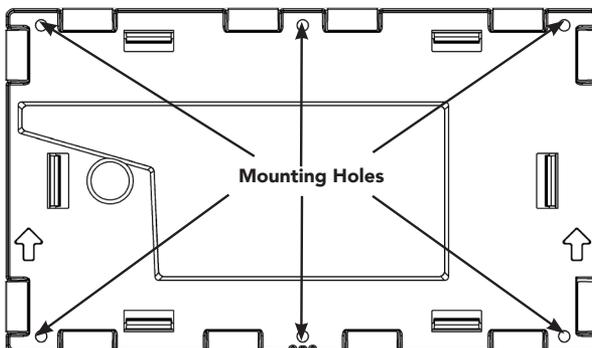
1. **Open the enclosure** by lifting at the single point with a flathead screw driver at the location shown below.

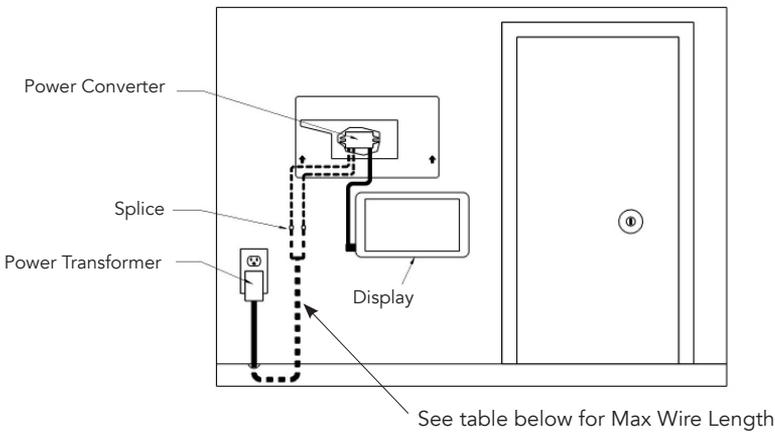


2. **Remove the display** by pulling it out of the back plastic.



3. **Mount the enclosure to the wall** using the screw holes in the enclosure. Insert the wall anchors prior to securing the screws in place.

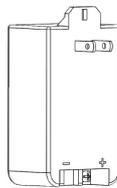




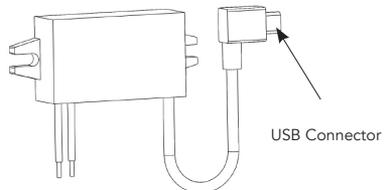
4. **Pull wire from touchpad** to AC outlet. If replacing an existing touchpad, existing wiring can be used; however, new touchpad must be powered by supplied 12V DC power transformer. Do not power from existing panel.

| WIRE GAUGE | MAXIMUM WIRE LENGTH BETWEEN POWER TRANSFORMER AND TOUCHPAD |
|------------|--|
| #24 | Up to 50 feet |
| #22 | Up to 75 feet |
| #20 | Up to 125 feet |
| #18 | Up to 200 feet |
| #16 | Up to 300 feet |

5. **Connect wire** to provided power transformer.
NOTE: Power Converter must be powered by supplied 12V DC Power Transformer. Do not power from existing panel or other power supply.
6. **Splice power converter** wires to wires pulled from AC outlet.



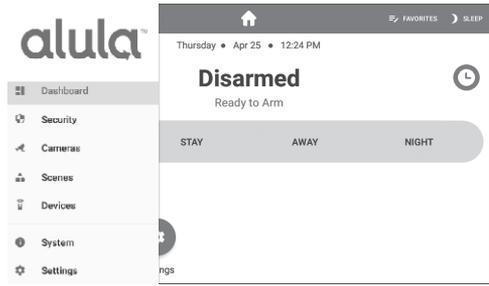
Power Transformer



Power Converter

7. **Ensure correct** polarity. Red wire must connect to +12V of power transformer.
8. **Plug USB connector** into the display.
9. **Place power converter** and excess wire inside the wall.
10. **Snap the display** into the back plastic (ensure camera is on the left side).
11. **Align the front cover** and snap into place.
12. **Plug in the Power Transformer** and ensure the display lights up. If display does not light up, unplug power transformer and verify wire polarity.

Menu Guide

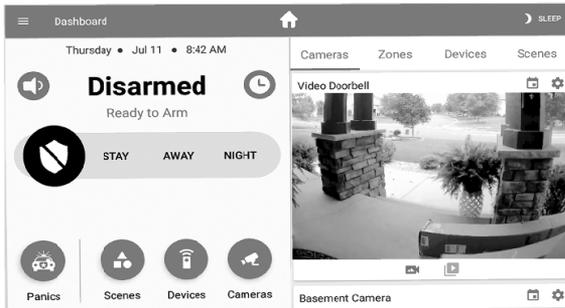


Security

- History - shows event history
- Attention - shows all opened, bypassed, or troubled zones. Zones can be bypassed or activated by pressing the toggle to the right of the zone name.

Cameras

- Cameras - can be viewed directly from the Touchpad. Live view, clips, and event notifications are supported. Doorbell live view will automatically be displayed when the doorbell button is pressed. Internet access is required.



Scenes

- Create scenes from the Touchpad by clicking the "+ Add" button
- Enable/disable scenes with the toggle button
- Navigate to the edit scene page by selecting an item in the list
- Rename a scene by selecting the name label in the top bar
- Modify the scene by adding/removing triggers and actions

Devices

- Add/Remove Z-Wave® devices using the "+ Add" or "- Remove" buttons in the app bar
- Lock and unlock Z-Wave door locks
- Turn Z-Wave lights on and off
- Set dimmer level for Z-Wave dimmer switches
- Open and close Z-Wave garage door openers
- Control Z-Wave thermostats

****PLEASE SEE Z-WAVE USER GUIDE FOR ADDITIONAL INFORMATION****

System

• **Panel**

- Troubles - shows all system troubles
- Status - shows all status updates

• **Touchpad**

- Battery - shows battery level and charging information
- Network - shows network the Touchpad is connected to
- Access point MAC
- Wi-Fi signal strength - must not be less than 35
- Response Time
- Wi-Fi channel
- Touchpad Firmware
- Touchpad Hardware
- Updater Firmware
- Serial Number
- FCC/IC information
- Uptime

Settings

• **Display**

- Brightness - adjust slide bar to change brightness level
- Auto sleep display - when enabled the Touchpad screen will go to sleep after programmed period of inactivity. When disabled the Touchpad screen will stay on and show the system overview page.
- Entry wake - when enabled the screen will turn on during entry delay
- Clean screen - ignores touch input on the screen for 30 seconds to allow user to clean the screen

• **Sound** - adjust slide bar to change volume level

• **Touchpad** (must enter code to access)

- Show Favorites - display favorites menu that shows frequently used zones, scenes, and devices on dashboard
- Show Panics - ability to turn off individual panics (this option can only be viewed when using installer or dealer code)
- Lock to Dashboard
 - When enabled only the dashboard menu can be accessed without an access code
 - When disabled no access code is needed to navigate outside of dashboard
- Return to dashboard - specifies time of inactivity before Touchpad will automatically return to dashboard
- Dock - specify the items to be displayed in the bottom dock
- Notifications - ability to turn on and off notifications on the system overview page
- Wi-Fi - connect via Wi-Fi if using cameras and user management features
- Temperature Scale - option for displaying °F or °C
- Alula Cloud - must be logged into Alula Cloud as the account owner to use cameras and user management features
- Power Off

• **Panel** (must enter code to access)

- Sensor Chime - enables or disables panel sensor chime mode (only available with Connect+)
- Quick Arm - arm the panel without entering your access code. Access code is still required to disarm

- Users - manage device users directly from the touchpad (only the account owner can modify users, internet access is required).
- Keypads - lists the panel's keypads
 - Rename keypads by selecting an item on the list and holding it for 2 seconds
- Communication Test mode
 - The Touchpad will begin testing communications and display "TESTING"
 - After one minute, the Touchpad will show the result of the test which will be either "GOOD," "FAIR," OR "POOR"
 - If you get a "POOR" test result, try the test again from another location
 - The table below lists the thresholds used to determine the outcome of the test
 - If any statistic falls in the poor range, the test outcome is "POOR"
 - If there are no poor statistics and any statistic is in the fair range, the outcome of the test is "FAIR"
 - If all statistics are in the good range, the outcome of the test is "GOOD"

| <i>Statistic</i> | <i>Unit</i> | <i>GOOD</i> | <i>FAIR</i> | <i>POOR</i> |
|----------------------------|--------------------|--------------------|--------------------|--------------------|
| Wi-Fi Signal Strength | dB | Over 39 | 35 to 39 | Under 35 |
| Communication Success Rate | % | Over 89 | 85 to 89 | Under 85 |
| Response Time Average | ms | Under 200 | 200 to 250 | Over 250 |

- Check for updates - this will tell the panel to check for any system updates
- Z-Wave
 - Join/Leave Another Z-Wave Network - the panel can be placed into Z-Wave inclusion or exclusion mode to allow it to join/ leave existing Z-Wave networks.
 - Soft Reset - a soft reset will reset the Z-Wave controller software. All Z-Wave devices will remain enrolled.
 - Hard Reset - this action will cause your Connect+ Z-Wave module to be restored back to the default state. Warning: Performing this action results in all Z-Wave devices being removed from this Z-Wave controller. To add them back, you will first need to exclude them, and then include them again.

****PLEASE SEE Z-WAVE USER GUIDE FOR ADDITIONAL INFORMATION****

- About - lists information about the panel's installed hardware and software

Home Screen Functions*

The headline indicates panel status such as "Disarmed" or "Armed Stay"

Tap or slide to view Side Menu

Tap to mute beeps during arm/disarm action

Tap to view Panic options and then press desired Panic option for two seconds to trigger

Detailed description: This diagram shows the top portion of the home screen. At the top is a dark header bar with 'Dashboard', a home icon, 'FAVORITES', and 'SLEEP'. Below the header, the date and time 'Wednesday • Oct 31 • 1:16 PM' are displayed. The main status area features the word 'Disarmed' in large bold text, with 'Ready to Arm' underneath. A large shield icon with a diagonal slash is positioned to the left of three arming buttons labeled 'STAY', 'AWAY', and 'NIGHT'. Below these buttons are three circular icons for 'Panic', 'Security', and 'Settings'. A speaker icon is located to the left of the 'Disarmed' headline. Arrows point from text labels to these various UI elements.

The time zone is configured online

Tap to turn the Touchpad's display off

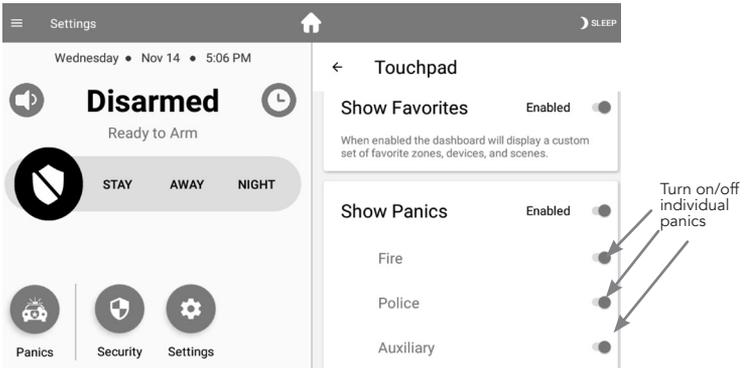
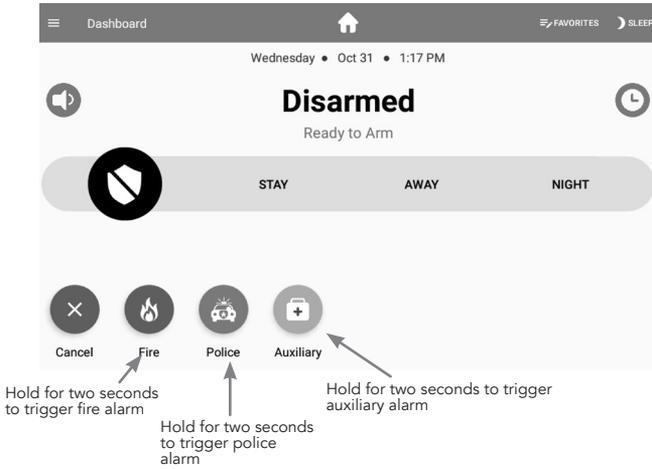
Tap to view selected favorite Zones, Devices, and Scenes

Tap to disable entry delay

Tap one of the arming buttons to arm the panel

Detailed description: This diagram shows the same home screen as above but with more annotations. An arrow points to the date and time 'Wednesday • Oct 31 • 1:16 PM' with the text 'The time zone is configured online'. Another arrow points to the 'FAVORITES' and 'SLEEP' icons in the top right header with the text 'Tap to turn the Touchpad's display off'. A third arrow points to the 'FAVORITES' icon with the text 'Tap to view selected favorite Zones, Devices, and Scenes'. A fourth arrow points to the clock icon on the right side of the 'Disarmed' headline with the text 'Tap to disable entry delay'. A fifth arrow points to the 'STAY', 'AWAY', and 'NIGHT' buttons with the text 'Tap one of the arming buttons to arm the panel'.

Panic Functions*



*These features were taken from a Connect+. Your features may differ depending on panel.

Pro Tips

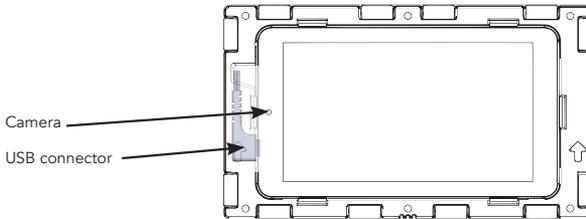
The Touchpad display turns off on its own after specified allotted time of inactivity (Auto sleep display setting). It will turn back on when the screen is touched, or for some alarm conditions. The screen can also be turned off manually by pressing "Sleep."

The Touchpad volume can be changed in the Settings screen. The physical volume rocker switch on the top left side of the Touchpad is **not** enabled.

The Touchpad can be rebooted by holding the power button on the top left side of the display for several seconds; however, this should never be required.

To unenroll the Touchpad navigate to the Settings menu and then to the section labeled "Panel." Put the panel or BAT-Connect into wireless enrollment mode and press the unenrollment button. Note: The unenrollment button is displayed only when the panel is in enrollment mode.

When adding display into enclosure, camera should be on the left side.



Specifications

| Physical Specifications | |
|--------------------------------|--|
| Dimensions | 5.39in[13.68cm] x 9.15in[23.23cm] x 0.66in[1.68cm] |
| Weight | 1.02lbs [463 grams] |
| Pilot Hole for Screw into Wood | Ø 1/8in [3mm] |
| Pilot Hole for Wall Anchor | Ø 3/16in [4.7mm] |
| Mounting Fasteners | #6 screws & 4 wall anchors [included] |
| Environmental Specifications | |
| Operating Temperature | 32°F to 120°F [0°C to 49°C] |
| Maximum Humidity | 85% non-condensing relative humidity |
| Device Specifications | |
| Battery Life | 4 hours |
| Power Transformer | |
| Input | 100-120V AC, 60Hz, .8A |
| Output | 12V DC, 2.0A |
| Part Number | RE012-17 |
| Power Converter | |
| Input | 8-22V DC |
| Output | 5V DC, 3A Max |
| Wireless Range | ~300 feet in open air |
| Screen Resolution | 1024 x 600 pixels |
| Screen Size | 7 inches diagonally |
| Accessories | |
| Wi-Fi DeviceLink | RE926RX (only needed for Connect+) |
| Certifications | |
| RE657WF | FCC, IC |

Specifications subject to change without notice

IC NOTICE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux cnr d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage, et
- (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC NOTICE

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.
- (2) This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Alula could void the user's authority to operate this equipment.

TRADEMARKS

Alula and Connect+ are trademarks owned by Alula Holdings, LLC.

Z-Wave is a registered trademark of Silicon Labs.

Android is a trademark of Google LLC.

Wi-Fi is a trademark of The Wi-Fi Alliance.