

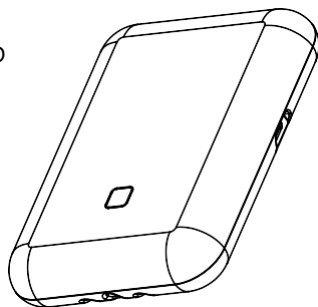
**BAT-Mini** is a communicator device that connects to security panels to deliver central station monitoring, interactive services, and remote panel configuration.

#### Features

- ✓ 5G CAT-M1 cellular communication
- ✓ Dual SIM
- ✓ Wi-Fi broadband
- ✓ Dial Capture interface, supporting Ademco Contact ID
- ✓ Keybus integration with selected panels
- ✓ Keyswitch with Arm/Disarm status via I/Os

#### Specifications

- ✓ Supply Voltage: +12V to +15V DC
- ✓ Power Consumption: Nominal 15 mA, Peak 200 mA
- ✓ Compact Dimensions: 5.125" x 3.625" x 1"
- ✓ Weight: 3.75 oz



Scan QR for most up to date manual, features, and compatibility.  
[www.alula.com/communicators/bat-mini](http://www.alula.com/communicators/bat-mini)

**WARNING:** The wiring should be done only when the panel and the BAT-Mini are disconnected from power!

Connect + and – of the BAT-Mini to a max of 12V - 15V DC power supply.

**WARNING:** PRIMARY USE ONLY – NOT TO BE USED WITH LANDLINE!

Having a phone line connected will damage the unit!

**WARNING:** USB PORT TO BE USED WITH M2M/ALULA ADD-ON MODULES ONLY.

#### Become an M2M/Alula dealer

If you are not a registered M2M/Alula dealer, please visit [www.alula.com/pro-signup](http://www.alula.com/pro-signup) to register, or call 1.888.88.ALULA

#### Create the Account

1. Create customer account on [www.alulaconnect.com](http://www.alulaconnect.com) and enter your customer's required information such as username, password, etc.
2. Register hardware by entering the MAC ID and CRC found on the inside and back cover of BAT-Mini and configure device information.
3. Set customer notification preferences.
4. Add Central Station connection type and account number.

#### Configure the Alarm Panel

Refer to the panel's installation manual to configure the following options:

- ✓ Enable the PSTN dialer of the panel
- ✓ Select DTMF mode (Tone Dialing)
- ✓ Select Contact ID Full communication format
- ✓ Enter a telephone number for dialing (you can use any number, e.g. 9999999)
- ✓ Enter a 4-digit account number in the panel

#### Wire the BAT-Mini to the Alarm Panel for Signal Relay

Refer to the Wiring the BAT-Mini to the Alarm Panel diagram on Page 2.

#### Remote Arming/Disarming via Keybus for supported Honeywell, DSC, Interlogix NX panels (Optional)

- ✓ Wire the BAT-Mini to the panel according to the Keybus wiring diagram (Page 2).
- ✓ **Honeywell panels ONLY:** Program an alpha keypad address on the panel at address 21 to control the 1<sup>st</sup> panel partition.
- ✓ **DSC, Honeywell:** Once the panel and BAT-Mini are online, navigate to the Communications tab of AlulaConnect, enter the panel's installer code, and initiate Device Actions > Sync Panel Data.
- ✓ **Interlogix NX panels:** Once the panel and BAT-Mini are online, log in to AlulaConnect and initiate Device Actions > Sync Panel Data.

#### Find configuration guides for popular panels at

[www.alula.com/communicators/bat-mini/](http://www.alula.com/communicators/bat-mini/)

#### Remote Arming/Disarming via Keyswitch (Optional)

- ✓ Wire the BAT-Mini to the panel according to the Keyswitch wiring diagram (Page 2)
- ✓ Configure a zone as a momentary keyswitch (refer to the panel's installation manual).
- ✓ Configure a PGM output of the panel to activate (switch to ground), when the panel is armed, and to deactivate, when disarmed (refer to the panel's installation manual).
- ✓ For panels that don't have a PGM output, open/close reporting must be enabled to detect arming status.
- ✓ Once the panel and BAT-Mini are online, log in to AlulaConnect and initiate Device Action > Sync Panel Data

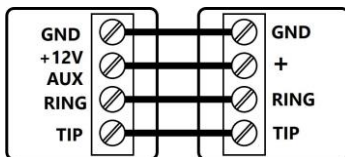
**Guidelines for configuring the keyswitch and the output for popular panels are available at [www.alula.com/communicators/bat-mini/](http://www.alula.com/communicators/bat-mini/)**

## Alarm Panel

## BAT-Mini

### Wiring the BAT-Mini to the Alarm Panel

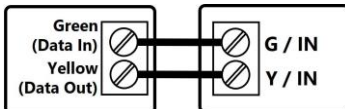
Ground	↔	GND
12V -15V DC Power Supply	↔	(+)
RING	↔	RING
TIP	↔	TIP



### Keybus Wiring\*

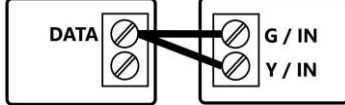
#### Honeywell Vista and DSC Power Series Panels

Green (Data IN)	↔	G / IN
Yellow (Data OUT)	↔	Y / IN



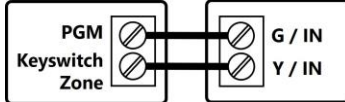
#### Interlogix NX Panels

DATA	↔	G / IN
DATA	↔	Y / IN



### Keyswitch Wiring\*

Armed status Output	↔	G / IN
Keyswitch Zone	↔	Y / IN



\*Optional – wire only if interactive features will be used. Panel compatibility list is available at [www.alula.com/communicators/bat-mini/](http://www.alula.com/communicators/bat-mini/)

### LED Indicator

- ✓ Slow flashing green - trying to establish connection
- ✓ Constantly ON blue - connected via Wi-Fi
- ✓ Constantly ON green - connected via Cellular at a good signal level
- ✓ Constantly ON green, blinking every 5 sec. - connected via Cellular at a low signal level

### Troubleshooting the DTMF Communication

If you have issues receiving the events, try the following additional panel settings:

- ✓ Disable "Telephone line monitoring"
- ✓ Disable "Wait for dial tone" option
- ✓ Use "A" instead of "0" in the account number
- ✓ If there is more than one partition, enter an account number for each partition
- ✓ For certain panels, you might need to also specify an account number for the main partition 0 (sometimes referred as system account number)
- ✓ The BAT-Mini will report a 352 Secondary Phone Line Trouble error code if the BAT-Mini has a problem communicating over TIP/RING. Check wiring and panel programming.

### TRADEMARKS

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### IC NOTICE

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

1. This device must 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 standard(s) RSS 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**Cellular** IC: 10224A-2020BG95M5

**Wi-Fi** IC: 21098-ESPWROVERE

### FCC NOTICE

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

1. This device must 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.

### RF Exposure:

To satisfy FCC RF Exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended.

**Cellular** FCC ID: XMR202005BG95M5

**Wi-Fi** FCC ID: 2AC7Z-ESP32WROVERE