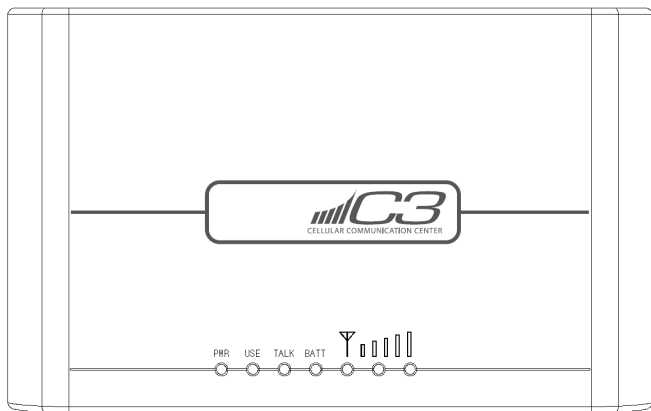




Model 70A00-2

GSM Cellular Communications Center
With Caller ID



Operation Manual

WEB VERSION

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* For French version of these instructions, go to www.leviton.com
Pour la version française de ces instructions, visiter www.leviton.com

WARNINGS AND CAUTIONS

- Read and understand all instructions. Follow all warnings and instructions marked on the product.
- Do not use this product near water - e.g., near a tub, wash basin, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.
- Never push objects of any kind into this product through openings, as they may touch dangerous voltages.
- Never install communications wiring or components during a lightning storm.
- Never install communications components in wet locations unless the components are designed specifically for use in wet locations.
- Never touch uninsulated wires or terminals unless the wiring has been disconnected at the network interface.
- Use caution when installing or modifying communications wiring or components.
- SAVE THESE INSTRUCTIONS.

Important Safety Instructions

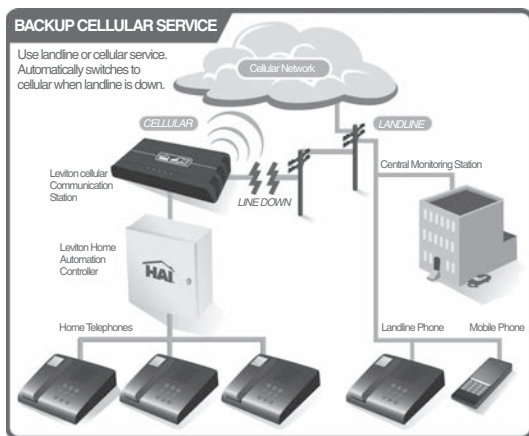
1. Read all safety and operating instructions before using.
2. This product should not be used near water.
3. Only use dry cloth to clean this product.
4. Do not block any ventilation openings.
5. Do not install this product near any heat sources; such as, radiators, heat registers, stoves, or other appliances (including heat producing amplifiers) that produce heat.
6. Only use attachments specified by the manufacturer.
7. Unplug this device during lightning storms.
8. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
9. Refer all servicing to qualified service personnel.
10. Servicing is required when the device has been damaged in any way; such as, a liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, the device does not operate normally, or has been physically damaged.
11. **WARNING:** To reduce the risk of fire or electric shock, do not expose this device to rain or moisture.
12. **WARNING!** Battery (built-in) may explode if mistreated. Do not disassemble or dispose of in fire.

Description

The C3 Cellular Communications Center is a wireless cellular communicator that allows phone calls to be made over the GSM cellular network using the existing telephones in your home. The C3 can be used when there is no landline in your home or the landline is temporarily unavailable.

Use with security systems...

The C3 allows any existing security panel to communicate alarm conditions using the GSM cellular network. The C3 checks the status of the existing PSTN telephone line and if it is unavailable, the C3 will emulate the line signal to the security panel. When an alarm occurs, the security panel will dial out using the GSM cellular network to communicate with the central monitoring station.

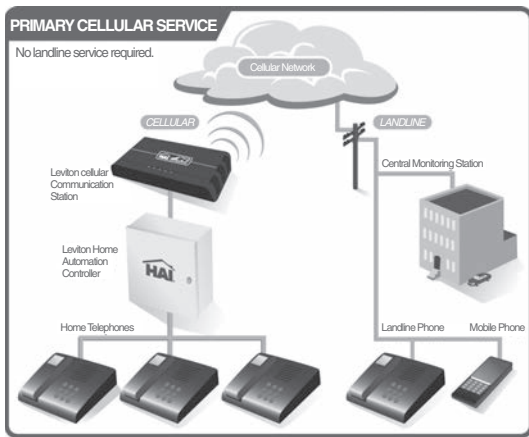


Used as Backup phone service (landline unavailable)

Everyday use...

When the C3 is connected to the GSM cellular network, all attached telephones can be used to make calls. If a landline is present, you will hear the normal dial tone and you can make your call as normal using the landline service. However, if the landline is currently unavailable, you will hear a different tone which indicates the C3 is in cellular mode and the call will be made using the cellular network. If the landline is available, but you still want to make the call using the cellular network, when you pick up the phone and hear the normal dial tone, press "*" and "**" on the phone and the C3 will switch to GSM mode. At that point, you will hear the cellular mode tone and you can make the call using the GSM cellular network.

When a call is made to the phone number assigned to the GSM SIM card that is installed in the C3, any phones that are connected to the C3 will ring as they normally would when a landline call is received. If your phone is equipped with Caller ID, the number of the calling party is displayed.



Used as Primary phone service (no landline)

Contents of Box



C3 Cellular Communications Center with Built-In Battery



12V Power Adapter

GSM Antenna



Operation Manual



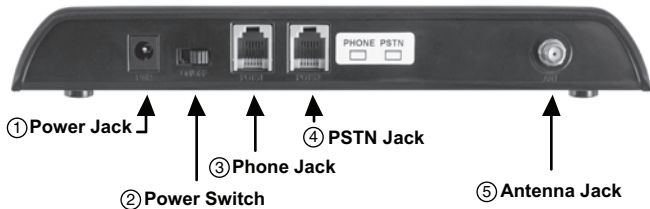
Telephone Cable

SIM Card

A GSM (Global System for Mobile communications) SIM card (Subscriber Identity Module) is required for operation. The SIM card contains subscriber information about your cellular service including the telephone number.

Typically, an additional line can be added to a GSM cellular plan by your provider for a nominal monthly fee. You can use the SIM card from the additional line in the C3 unit. Another option is to use a prepaid SIM card. Prepaid SIM cards can be used in the C3 as long as the SIM card isn't locked to a handset.

Installation



- ① **Power Jack:** Connects the supplied 12V Power Adapter
- ② **Power Switch:** Turns the unit On or Off
- ③ **Phone Jack:** Connects to house telephones or alarm panel
- ④ **PSTN Jack:** Connects to PSTN telephone line
- ⑤ **Antenna Jack (SMA):** Connects the supplied antenna

Install the Antenna

- 1) Screw the antenna onto the antenna base.
- 2) Attach the SMA connector of the base to the C3 Antenna Jack.
- 3) Locate the antenna away from the C3.
- 4) Completely uncoil the antenna cable to avoid interference.

Warning: Do not mount the antenna outdoors.

Install the Power Adapter

Plug the connector from the supplied 12V Power Adapter into the C3 Power Jack.

Plug the 12V Power Adapter into a 120VAC outlet.

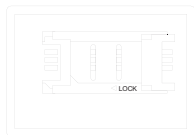
Installing the SIM Card

Caution: The C3 must be switched off before installing or removing the SIM card. Do not install or remove the SIM card when the power is on; otherwise the SIM card may be damaged. The GSM network cannot be used if the SIM card is damaged.

- 1) If applicable, remove the SIM card compartment door using a small blade screwdriver.
- 2) Open the SIM card holder by sliding the holder to the right and then lifting up the holder.
- 3) Slide the SIM card into the SIM card holder making sure that the notched corner of the SIM card lines up with the notched corner on the SIM card holder.



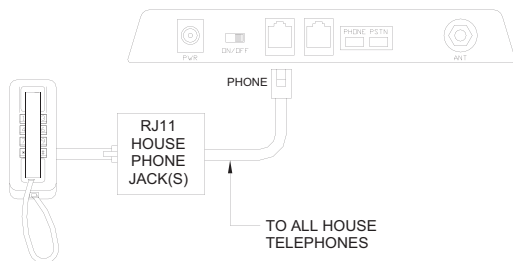
- 4) Gently lower the SIM card holder and lock it in the closed position by sliding the holder to the left.



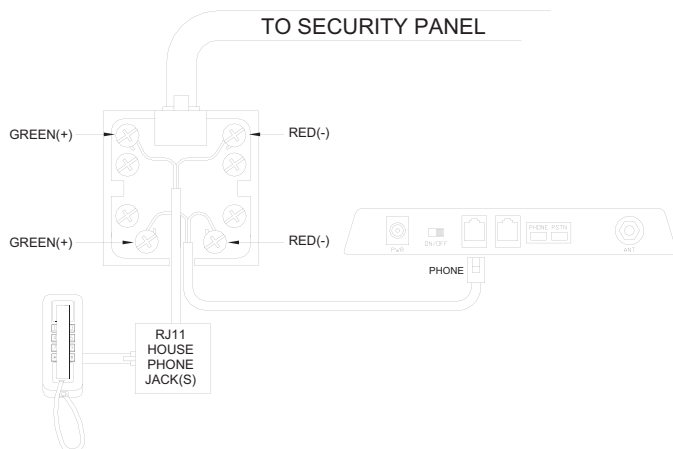
- 5) Reinstall the SIM card compartment door.

Connecting Telephones

Connect analog telephone(s) to the modular jack labeled "PHONE" on the C3 unit. If a PSTN landline isn't present, the GSM network can be used as the primary telephone service.



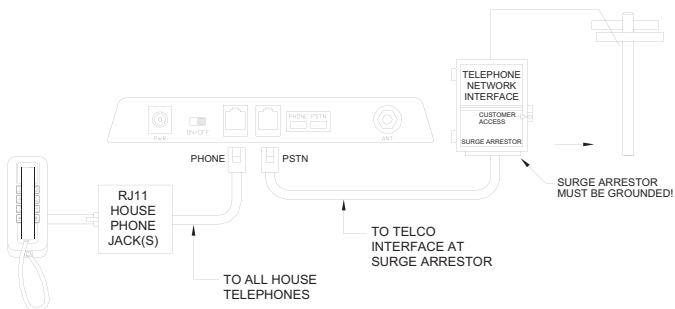
Primary GSM service without a security system



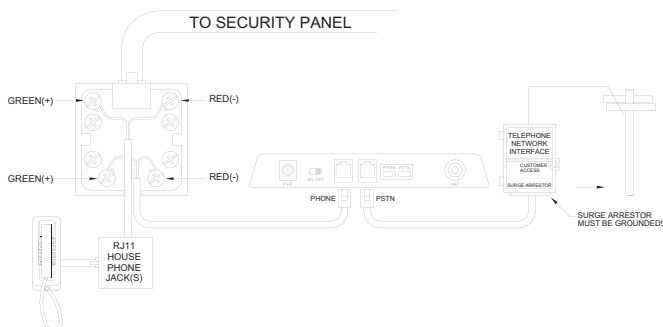
Primary GSM service with a security system

Connecting a PSTN Landline

Connect the incoming PSTN landline to the modular jack labeled "PSTN" on the C3 unit. If a PSTN landline is present, the GSM network is used to backup the PSTN telephone service. If the landline service is unavailable, the GSM network will be used.



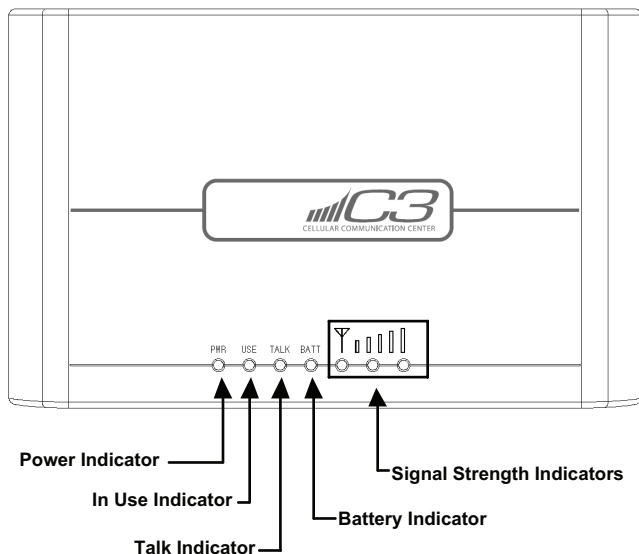
Backup GSM service without a security system



Backup GSM service with a security system

Operation

Turn on the unit by moving the Power Switch to the "On" position. When the unit is first switched on, the C3 unit searches for a network before calls can be made.



When the unit is turned on, the Power Indicator will illuminate and all other LED Indicator will flash quickly for a few seconds. When a cellular network is found, the Signal Strength Indicators will illuminate based on the GSM signal strength.

If the SIM card is not installed or the SIM card can't be used, the Signal Strength Indicator in the middle will flash once per second.

Note: If the SIM card is not installed or can't be used, turn the Power Switch to "Off" so that the landline can be used as normal.

Making Calls

To make a phone call, simply pick up a connected telephone and listen for a dial tone. Whenever a connected phone is taken off-hook, the In Use Indicator is illuminated.

If a PSTN landline is connected, you will hear the normal dial tone. Simply make your call as normal. If the landline is temporarily unavailable, the C3 will automatically switch to GSM mode.

If a PSTN landline is not present or is temporarily unavailable, the GSM network will be used. You will hear a dial tone with a different cadence from the normal PSTN dial tone. When you hear this dial tone, you know that the PSTN landline is currently unavailable and you are using the GSM network.

When connected to a security system and an alarm occurs, the call will be made using the GSM network as if using the PSTN landline.

Making a call using the GSM network

- 1) Pick up the phone and listen for the GSM dial tone.
- 2) Dial the phone number you wish to call and then press the '#' key on the phone keypad. The call will be made immediately.
- 3) When the call is connected, the Talk Indicator is illuminated.

Note: If you do not press the '#' key after dialing the phone number, the call will automatically be made several seconds after the last digit was entered.

When a landline is present

If you would like to make a phone call using the GSM network even when a PSTN landline is available, you may do so as follows:

- 1) Pick up the phone and listen for the normal dial tone.
- 2) Press the '**' key twice (i.e. * *) on the phone keypad.
- 3) You will immediately hear the GSM dial tone.
- 4) Dial the phone number you wish to call as described above.

Receiving Calls

When a call is made to either the landline phone number or the cellular number assigned to the SIM card, the connected phones will ring as normal. Simply pick up a handset to answer the call.

Ending Calls

While on a call using either the landline or the GSM network, to disconnect the call, simply hang up the handset.

Battery Operation

The C3 unit will automatically switch from AC to battery power upon loss of AC power. Whenever AC power is present, the rechargeable battery is being charged; the Battery Indicator will flash.

Troubleshooting

| Symptom | Problem |
|--|---|
| Always hear busy signal when the phone is off-hook | SIM card is not installed or the SIM card is not making a proper connection with the contacts on the SIM card holder. |
| Can not connect with GSM network | <ul style="list-style-type: none">• Reorient the antenna.• Signal too weak at location. |
| Signal Strength Indication is weak | <ul style="list-style-type: none">• Reorient the antenna.• Antenna is connected improperly. |
| No dial tone | Telephone line is improperly connected. |
| Noise during calls | Signal too weak. |
| Unit unexpectedly shut down | Unit needs to be rebooted. Switch off the power and wait a moment, then restart it. |

Specifications

Operating Temperature: -10°C - +60°C

Noise: not to exceed 60dB (A)

Humidity: 5% - 95% relative humidity, non-condensing

Atmosphere Pressure: 86 - 106KPa

Input Voltage: 100 – 240VAC

Operating Power: DC 12V, 500mA

Frequency ranges:

GSM850: 824-849MHz TX; 869-894MHz RX

PCS1900:1850-1910MHz TX; 1930-1990MHz RX)

Power Output:

--Class 4 (2W @ 850/900MHz)

--Class 2 (1W @1800/1900MHz)

Air Interface Standard:

--GSM850/1900MHz, 900/1, 800MHz phase 2+ full band

Dial Tone Frequency: 450Hz

Antenna Interface: Antenna amplifying >2.5dB

Sensitivity: <=104dBm

Environment Noise: <60dB

Dimensions: 8.125" x 5.125" x 1.25"

Preventing Malfunction

- Avoid using, placing or storing the equipment in places subject to strong sunlight or high temperatures. Exposure to intense sunlight and heat may cause the battery to leak, overheat or explode, resulting in fire, burns or other injuries. High temperatures may also cause deformation of the casing. Ensure that there is good ventilation when using the equipment.
- Do not store the equipment in humid or dusty areas. Storage in such areas could lead to fire, electrical shock, or other damage.
- Do not operate beyond its specified temperature, humidity, or power source ratings. Do not use this device in a high temperature or high humidity area.

FCC Compliance

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.