



Mobile PERS

*Revolutionizing Your Way of Life*

## Summon help anytime, anywhere A breakthrough in medical alarm systems

The Mobile PERS Duo Series and Mini Series are state-of-the-art, portable, richly featured and patented cellular medical alarms with GPS and GSM/3G networks that protect you wherever you go. The Duo Series includes a Base Station and a Mobile Unit. The Mini Series consists of a Mobile Unit and an optional pendant. Both the Base Station and the pocket-sized Mobile Unit are complete medical alarms in themselves, with the former working at home and the latter traveling with the user.

The Mobile Unit uses built-in Contact ID, Tunstall TTNew and Climax CPC Dialect protocols to directly communicate with monitoring centers. Its positioning capability and reliability are enhanced by the adoption of industry certified A-GPS technology. These groundbreaking solutions enable monitoring personnel to locate you and send assistance to you quickly in the event of an emergency.

In addition to user-friendly features such as two-way voice communication and voice prompts, the Mobile Unit can work with a help pendant to provide greater convenience for older people. This all-around care brings unprecedented freedom for seniors to enjoy outdoor activities to their heart's content.



### ***More Than a Tracker***

*Mobile PERS protects you wherever you go!*



## **Mobile PERS Duo Series**

**Base Station and Mobile Unit**



## **Mobile PERS Mini Series**

**Mobile Unit with an optional pendant**



## Mobile PERS Duo Series

An ideal solution to protect both your health and home

The Duo Series' Base Station is installed at home and Mobile Unit carried around by the user. The Base Station, a comprehensive medical alarm, can be turned into an intrusion alarm to safeguard home and property when the user is away.

The Duo Series offers optimum flexibility to help you find your perfect telecare package. You can combine any of the six Base Station models with any of the four Mobile Unit models listed below according to installation and client requirements.



## Mobile PERS Mini Series

A travel companion that keeps you safe everywhere

The Mini Series' Mobile Unit is a complete medical alarm working independently without a Base Station. Those who simply want a medical alarm to protect them wherever they go will find the Mini Series a first-rate choice.

The four Mobile Unit models provide different functions, including GPS tracking and pendant activation. The pendant activation functionality enables the user to trigger the Mobile Unit to send alarm calls by pressing a help pendant.

### Base Station



Model	Communications path(s)	
<b>Standard Base Stations</b>	BS-1	N/A
	BS-2	PSTN
	BS-3	Ethernet
	BS-5	Ethernet and PSTN
<b>Base Stations with DECT capabilities</b>	BS-2RV	PSTN
	BS-5RV	Ethernet and PSTN

### Mobile Unit



Features	Models w/ GPS	Models w/o GPS	Communications paths
<b>Standard</b>	MU Classic	MU	3G or GSM (GPRS)
<b>With a help pendant</b>	MUR Classic	MUR	3G or GSM (GPRS)

## Outstanding Features - Duo Series and Mini Series



### Mobile Unit

(For the Duo Series and the Mini Series)



**GPS tracking**  
GPS locator reports your location to monitoring centers



**Pendant activation**  
Help pendant activates the Mobile Unit to send alarm calls when the user presses the pendant



**Built-in Contact ID protocol**  
Built-in Contact ID reporting protocol directly communicates with monitoring personnel



**Two-way voice communication**  
Two-way voice communication enables the user and monitoring personnel to talk to each other



**Voice prompts**  
Voice prompts report operational status and remind the user to recharge the Mobile Unit's battery

- Red help button to summon emergency help

- Green reset button to cancel emergency calls

- Multi-functional, programmable yellow button

- CID, Tunstall TTNew and Climax CPC Dialect reporting over PSTN and/or Ethernet

- Can serve as an intrusion alarm

- Can learn up to 100 devices

- Can integrate DECT devices to set up emergency voice communication

- Two-way voice communication



### Base Station

(For the Duo Series)



#### Serving as an Intrusion Alarm

The Base Station can serve as an intrusion alarm when its yellow button is programmed as a security button. It will work as a medical alarm when you are at home, but you can arm your house upon leaving home by pressing the yellow button once. When you are back, simply press the yellow button and your pendant once to disarm the house and turn the Base Station back into a medical alarm.



#### Establishing Emergency Voice Communication on Your Premises

Base Stations with DECT capabilities can incorporate Talking Pendant (WTRVS), Call Point (CP-23) and Voice Satellite (CTC-808RV). One press on these devices will open two-way voice communication between care personnel and multiple users, extending protection to several family members at the same time.

## How the Mobile Unit Works



The Mobile Unit is triggered when its red button or help pendant is pressed.

1



The Mobile Unit calls monitoring personnel for help and reports your GPS location.

2



Two-way voice communication is opened. Tell monitoring personnel what happened to you. If you cannot speak, care personnel can still find you using the GPS location report.

3



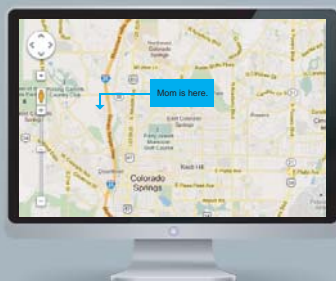
Help arrives.

4

## How Care Personnel Find You

### Option 1

After you press the Mobile Unit's red button or help pendant, the Mobile Unit will report your GPS location. The GPS coordinates will appear on the map of the Climax Home Portal Server, which monitoring personnel can see on their PCs. Knowing where you are, they can instantly arrange help to be dispatched to you.



### Option 2

Central stations with map software supporting the MPTP or SIA protocol for location reports to be sent over GPRS can immediately deploy Mobile Units without further investment. Monitoring personnel can receive users' location reports using the central stations' map software.



## What's in the Box

### Mobile PERS Duo Series



#### Base Station and Mobile Unit

The Base Station is installed at home and the Mobile Unit travels with the user.



#### Jelly Case or Belt Clip Case for the Mobile Unit

The user can carry the Mobile Unit around using a jelly case or a belt clip case.



#### Waterproof Pendant (Optional)

When the user presses the pendant, the Mobile Unit will be triggered to make an emergency call.

### Mobile PERS Mini Series



#### Mobile Unit and Cradle

The Mobile Unit can be inserted in the cradle when you are at home.



#### Jelly Case or Belt Clip Case for the Mobile Unit

The user can carry the Mobile Unit around using a jelly case or a belt clip case.



#### Travel Charger (CT-3)

With the Travel Charger the user can charge his Mobile Unit anytime on the road.  
Power supply: 100-240V  
Adaptor output: 5V-1A



#### Waterproof Pendant (Optional)

When the user presses the pendant, the Mobile Unit will be triggered to make an emergency call.

### Optional Accessories



#### Travel Charger (CT-3)

With the Travel Charger the user can charge his Mobile Unit anytime on the road.  
Power supply: 100-240V  
Adaptor output: 5V-1A



#### Mobile Updater (CT-2)

The Mobile Updater is used to update the firmware of the Mobile Unit.  
Power supply: 100-240V  
Adaptor output: 5V-1A

## Features and Specifications - Duo Series (Base Station)

### Features

- Communication protocols: Contact ID, Tunstall TTnew, and Climax CPC Dialect
- World-class RF range, sensitivity and performance certified by EN-300-220 (Class 1)
- Excellent Full-Duplex two-way voice communication range over 10M from the Base Station and Half-Duplex (Push-to-Talk and Listen-in) speech mode
- Compatible with DECT devices such as Talking Pendant (WTRVS), Call Point (CP-23) and Voice Satellite (CTC-808RV) to establish an emergency voice communication system on the user's premises (BS-2RV and BS-5RV)
- Up to 8 numbers can be saved for emergency calls and one for non-emergency calls
- Voice prompts alert the user upon designated events (including giving reminders to recharge the Mobile Unit battery).
- USB PC programming, Web programming or remote programming via SMS text messages or SMS iWizard
- Can function as an intrusion alarm to guard the user's house.
- Unique multifunctional, programmable yellow button to serve as an inactivity, security, check-in/out, away/home or non-emergency call button
- Comprehensive help/nurse arrival function
- Can be used as a hands-free phone for non-emergency calls.
- Up to 100 devices can be added to the system.
- Mobility checks
- Automatic check-in reports
- Compliant with FCC, CE and ETL certification requirements



### Specifications

- Power: 12V 1A switching power
- Backup battery: 7.2V Ni-MH rechargeable batteries
- Battery backup time: 24 hours minimum
- Speaker: 3W (Size: Ø 3.5 inches)
- Available radio frequencies: 433MHz/869.2375MHz (EN-300-220, Class 1)
- Radio frequency ranges:
  - 433MHz: Over 200 meters in open space
  - 869.2375MHz: Over 400 meters in open space
- Operating temperature: -10°C to +45°C
- Operating humidity: Up to 90% non-condensing
- Dimensions: Ø 215 mm x 60.5 mm

## Features and Specifications - Duo Series and Mini Series (Mobile Unit)

### Features

- Alarm reporting via GSM or 3G
- PTCRB certified GSM/3G module
- Communication protocols: Contact ID, Tunstall TTnew, and Climax CPC Dialect
- Can be activated by a pendant transmitter to make emergency calls (models with help pendants only).
- Excellent Full-Duplex two-way voice communication and Half-Duplex (Push-to-Talk and Listen-in) speech mode
- Up to 8 numbers can be saved for emergency calls
- The user' s locations and GPS coordinates viewable on the Climax Home Portal Server' s map service (models with GPS only)
- Voice prompts alert the user upon designated events (including giving reminders to recharge the Mobile Unit battery).
- SMS remote programming via SMS text messages or SMS iWizard
- Firmware updates via Mobile Updater (CT-2)
- A-GPS/Cellular Triangulation location reporting (models with GPS only)
- Automatic check-in reports
- Color LEDs serving as status indicators
- Travel Charger (CT-3) for the user to charge the Mobile Unit on the road
- Compliant with FCC, CE and ETL certification requirements



### Specifications

- Battery: 3.7V Li-ion rechargeable battery
- Battery backup time: 42 hours (battery backup time varies according to the model used and activity level)
- Speaker: Sound pressure level: 93.5+/-3.0dB at 10cm
- GSM quad band: 900/1800/850/1900MHz  
3G frequency bands: 2100/1900/1800/1700/850/800/2600/900MHz  
(3G bands vary depending on regions/countries)
- GPRS: Multi-slot Class 13
- SIM card: Supports 1.8V & 3V micro SIM card
- Available radio frequencies: 433MHz/869.2375MHz (EN-300-220, Class 1) (models with help pendants only)
- Radio frequency ranges: 433MHz: 3 meters in open space (models with help pendants only)  
869.2375MHz: 3 meters in open space (models with help pendants only)
- GPS accuracy: Position 2.5m CEP (models with GPS only)
- GPS sensitivity: -159 dBm (models with GPS only)
- Operating temperature: 0°C to +45°C
- Operating humidity: Up to 90% non-condensing
- Dimensions: 79.7 mm x 49 mm x 18 mm



## Comparison Charts of Base Station and Mobile Unit Models



### Base Station (for the Duo Series)

Functions	Models w/o DECT capabilities				Models w/ DECT capabilities	
	BS-1	BS-2	BS-3	BS-5	BS-2RV	BS-5RV
Reporting path(s)	N/A	PSTN	Ethernet	PSTN and Ethernet	PSTN	PSTN and Ethernet
Hands-free speakerphone	• (w/ Mobile Unit inserted)	•	•	•	•	•
Charging the Mobile Unit	•	•	•	•	•	•
Compatible with Talking Pendant, Call Point and Voice Satellite					•	•
Intrusion alarm		•	•	•	•	•
USB programming	•	•	•	•	•	•
Web programming			•	•		•
SMS programming (w/ Mobile Unit inserted)	•	•	•	•	•	•



### Mobile Unit (for the Duo Series and the Mini Series)

Functions	Models w/ GPS		Models w/o GPS	
	MU Classic	MUR Classic	MU	MUR
Reporting paths	3G/GSM (GPRS)	3G/GSM (GPRS)	3G/GSM (GPRS)	3G/GSM (GPRS)
Can be activated by a help pendant		•		•
Battery backup time	32 hrs	33 hrs	32 hrs	33 hrs

\*Note: Battery backup time varies according to the model used and activity level.

## Ordering Information - Duo Series

The Duo Series consists of a Base Station and a Mobile Unit. Please select one Base Station model and one Mobile Unit model listed below to form your ideal set.

### Base Station

Model		Communications path(s)
BS-1	w/o DECT capabilities	N/A
BS-2		PSTN
BS-3		Ethernet
BS-5		Ethernet and PSTN
BS-2RV	w/ DECT capabilities	PSTN
BS-5RV		Ethernet and PSTN

### Mobile Unit

Model		Features	Communications paths
MU Classic	w/GPS	Standard	3G or GSM (GPRS)
MUR Classic		With a help pendant	3G or GSM (GPRS)
MU	w/o GPS	Standard	3G or GSM (GPRS)
MUR		With a help pendant	3G or GSM (GPRS)

### Optional Accessories

Model	Usage
CT-3 Travel Charger	Charging Mobile Unit
CT-2 Mobile Updater	Updating Mobile Unit's firmware

## Ordering Information - Mini Series

The Mini Series consists of a Mobile Unit, an optional pendant, and a Travel Charger (CT-3). This series offers eight Mobile Unit models with different functionality.

### Mobile Unit

Model		Features	Communications paths
MU Classic	w/GPS	Standard	3G or GSM (GPRS)
MUR Classic		With a help pendant	3G or GSM (GPRS)
MU	w/o GPS	Standard	3G or GSM (GPRS)
MUR		With a help pendant	3G or GSM (GPRS)

### Optional Accessories

Model	Usage
CT-3 Travel Charger	Charging Mobile Unit
CT-2 Mobile Updater	Updating Mobile Unit's firmware