

## DE1-PSL and DE1-PSLA DECT Personal Security Handsets



This remarkable robust DECT handset offers high-quality speech along with full-featured Personal Security and critical messaging all in one device! Based on DECT, functions such as seamless handover, roaming and encryption come as standard. A combination of manual and automatic alarms means that personnel have never been safer. DECT6000 handsets feature two programmable manual alarms, tear-off alarm and two automatic alarms – no-move and man-down. The handsets contain a large phone book, hands-free operation, detection modes such as absence/presence and out-of-range. With a SIM tool you can manage your subscription data and telephone book. While all handsets are built to the high standards of Atus quality and reliability.

### Functions

#### Personal Security Functions

Two programmable manual alarms:

- Pressing the RED alarm button (on top of the mobile) will activate an alarm and notify an emergency team
- When the RED button is pressed quickly two times, an assistance alarm is activated

Programmable “life sensing” option:

The management system sends a message at pre-programmed time intervals. The user acknowledges the message to indicate that he/she is still ok.

Automatic alarms (DE1-PSLA)

- Tear-off alarm, the alarm activates if the “tear-off” clip is forcibly removed from the mobile

- For use in DECT6000sip System
- DECT telephony, messaging and personal security in one
- Manual and automatic alarms
- Location detection, system scanning, self-test function
- Reliable and fast messaging
- Easy to operate and very robust

- No-move, the alarm activates if the mobile is motionless for a pre-programmed period of time
- Man-down, the alarm activates if the mobile is in a horizontal position for a pre-programmed period of time

Alarms can be set to silent and where an audible alarm could escalate a threatening situation, or is inconvenient for example on a night shift situation.

Location detection is a standard feature; locations are sent automatically with every alarm call.

The location information ensures the response team is quickly guided to the alarm scene.

#### Active security check

The management system and the PS handsets perform bi-directional checks at regular intervals to ensure system integrity and handset function (no user intervention needed).

#### Cordless telephony

- Compatible with all PABX functions e.g. follow me, automatic call back, call transfer, hold calls, etc.
- Phone call stack stores the last 20 numbers
- Redial memory, stores the last three numbers dialed
- Internal telephone book for up to 200 names and numbers, alphabetically sorted
- Caller name and number are shown when available (CLIP)
- Hands-free operation

### Paging messaging

- Receive paging messages up to 48 characters
- Message memory of 20 messages; the first message stack position is reserved as mailbox
- Messages can be locked, deleted and forwarded to other mobiles.
- All messages are automatically acknowledged to the system and if needed a manual acknowledge on a message can be requested
- Receive paging messages during conversation
- Automatic date and time stamp

### Reception of messages

The DE1 handsets can receive the following types of paging messages:

- **Normal:** Paging message with normal priority and bleep pattern
- **Urgent:** Paging message with higher priority. The handset will bleep until the message is manually acknowledged
- **Emergency:** Paging message with the highest priority. The handset will bleep until the message is manually acknowledged
- **Mailbox:** Special paging message for telemetry purposes to monitor processes like temperature constants

### Absence indication

The DE1 handset can be set in a "do not disturb" mode. In this mode the handset will be silent on reception of phone calls and messages. The user will be alerted by an LED indication and a vibrator.

When urgent messages are received, silent mode is overridden and the bleep signal is activated.

### Silent mode

In addition to charging only, charging racks may be configured to absent status. In this situation the system will automatically transfer messages and telephone calls to another handset.

### Other functions

- 140 hours standby / 15 hours talk
- Suitable for noisy environments (loud bleep and vibrator)
- Protected against dust and water resistant to IP52
- Microphone and incoming call mute function
- Hands-free function
- Telephone book with 200 names
- 20 numbers of last dialed/missed/answered calls

- Compatible with all PABX features
- Automatic call transfer
- Keyboard lock
- Call-back number option in message (if telephonenumber link is included in the message)

### Controls and Indicators

- Menu/recall key
- Manual alarm button and alarm LED
- Volume control with side button
- 14 paging bleep patterns
- 9 user selectable ringing patterns
- 7 vibrator patterns
- Large graphical display with backlighting
- Low battery indication
- Out of range warning signal

### Interconnections

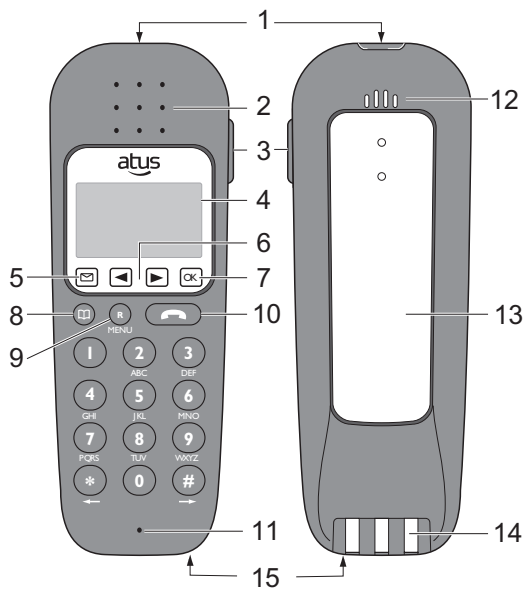
- Headset connection
- Charging / Programming contacts

### Certifications and Approvals

CE-marking	acc. to Telecom directive 1999/5/EC
Safety	acc. to IEC/EN 60950-1
EMC	acc. to ETSI EN 301 489-1 acc. to ETSI EN 301 489-6
Telecom (DECT)	acc. to ETSI EN 301 406
ESD	acc. to EN 61000-4-2 Contact: 8 kV air: 15 kV
Bump	acc. to IEC 60068-2-29 (10 g)
Vibration	acc. to IEC 60068-2-6 (5 g)
Drop-test	acc. to IEC 60068-2-32
Dust and waterproof	acc. to IP52
DDA Deaf Alert	acc. to BS 5839-1 (section 18)

### Installation/Configuration Notes

1	Alarm button
2	Loudspeaker
3	Volume control
4	Graphical display with backlighting
5	Message key
6	Scroll keys
7	OK / Confirm key
8	Telephone book key
9	Recall / Menu / Hands-free key
10	On / OFF hook key
11	Microphone
12	Bleep / Hands-free loudspeaker
13	Clip attachment / Product label
14	Charging / Programming contacts
15	Headset connector
16	Tear-off alarm connector



## Technical Specifications

### Electrical

Power consumption	
Battery type	NiMH
Charge time	3 hours (empty to full)
Standby time	> 140 hours*
Speech time	> 15 hours*
Frequency band	1880 to 1900 MHz
Output power	250 mW burst

### Mechanical

Dimensions (H x W x D)	145 x 52 x 26.5 mm
Weight	155 g

### Environmental

Operating temperature	-10 °C to +55 °C
Storage temperature	- 20 °C to + 35 °C (Excl. battery)
Charging temperature	+10 °C to + 35 °C
Relative operating humidity	15% to 95% non-condensing
Relative storage humidity	5% to 95%
Quality and reliability	
MTBF	> 50,000 hours at 25 °C

\* The real battery usage time depends on the battery health, usage pattern, activated functions and DECT signal strength.

Remark: battery replacement is recommended after 2 years.

## Ordering Information

DE1-PSL	8900 670 70001
DECT and Personal Security Handset	
Incorporate cordless telephony and messaging, manual alarms, location detection	

DE1-PSLA	8900 670 80001
DECT and Personal Security Handset	
Incorporate cordless telephony and messaging, manual and automatic alarms, location detection	

### Accessories

Multiple Charger for 5 mobiles PS-CH05	8900 671 72001
Single Charger (EU Adaptor) PS-CH01-EU	8900 676 00001
Single Charger (UK Adaptor) PS-CH01-UK	8900 676 01001
Power Supply Unit Output 9 VDC, max. 5 A, max. ripple voltage 100 mVpp, Input 100-240 VAC LBB5355/00	8900 535 50002
Leather Pouch Set of 10 pcs. (black, red or blue) Designed to protect a DECT6000 handset against dust, grease, etc. LBB6711/xx	8900 671 10x05
Safety Clip Set of 10 pcs. For carrying a DECT6000 handset on breast pocket or small belt LBB6713/00	8900 671 30005
Belt Clip Set of 10 pcs. For carrying a DECT6000 handset on a belt LBB6714/00	8900 671 40005
Beltloop Click Clip Set of 10 pcs. LBB6711/10	8900 671 11005