

### Accessories

| USB power lead extensions    | Item code |
|------------------------------|-----------|
| 3m USB power lead extension  | 42550180  |
| 5m USB power lead extension  | 42550181  |
| 10m USB power lead extension | 42550182  |

### Internal blade antenna

With 3m cable and self adhesive strip: 42550186  
 With 5m cable and self adhesive strip: 42550187  
 With 10m cable and self adhesive strip: 42550188

### External antenna

External monopole antenna with 5m cable: 42550189  
 External monopole antenna with 10m cable: 42550190  
 Rechargeable Li-Ion-ion battery (CIBL-GB, 3300mAh, 3.7V): 42550192

### Technical specification

3.7v lithium 850 mAh / 3.145Wh ion battery (CIBL-5B)  
 Quad band GSM

For SIM and network related queries visit: [www.smartbel.co.uk](http://www.smartbel.co.uk)  
 For technical queries relating to Smartbel visit: [www.smartbel.co.uk](http://www.smartbel.co.uk)  
 Or call +44 (0)333 700 7000

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### Introduction

Congratulations on your purchase of Smartbel! The most advanced, feature packed global intercom available. Smartbel allows convenient remote communication to your front door at all times.

The incorporation of specialist (GSM) technology into the design of Smartbel allows you to conveniently answer and communicate with any visitor to your door from your landline or mobile phone anywhere in the world.

Whether you are away on holiday, or out for the day, you can always answer the door where Smartbel is installed. Never miss another parcel or customer delivery!

In addition, Smartbel offers many unique security benefits, from acting as a burglar deterrent, to allowing you to speak safely to the person at your front door, without opening the door. You can also conveniently receive communication to your front door at a relative's visitor remotely.

Please take care to follow the set up and installation instructions, so that you can enjoy all the benefits and innovation Smartbel has to offer.

### Q5: What does "signal" in the confirmation text mean?

A: Smartbel requires a GSM signal to operate.  
 Signal indicates the strength of the GSM signal Smartbel is receiving.

### Q6: How can I tell whether I am receiving a good signal?

A: Signal strength is classified into three strengths:

|        |         |
|--------|---------|
| Strong | (10-15) |
| Medium | (5-10)  |
| Weak   | (0-5)   |

Smartbel requires a medium to strong signal to operate.  
 A weak signal can affect the performance of Smartbel.  
 In very weak or no signal areas Smartbel will not operate.

**NB:** If you are experiencing reception issues and are receiving a weak signal, please refer to the Hints and Tips section on how to improve your signal.

### Q7: Can I use my own micro SIM card?

Smartbel has been designed to give you total flexibility over the choice of micro SIM you wish to use. The unit is unlocked so the choice is yours. Micro SIM replacement is done as follows:

### FAQ's

#### Q1: Will Smartbel work in the event of a power cut?

A: Yes. Thanks to the in-built battery, Smartbel will perform normally in the event of a power cut for up to 16 hours.

#### Q2: I cannot hear Smartbel ring when set to "Doorbell" mode

A: Switch the volume switch to the "high position" or re-position Smartbel to another location.

#### Q3: I am experiencing reception problems?

A1: You are most likely in a weak signal area. Please check coverage maps for your area. Coverage maps can be found at: <http://consumers.ofcom.gov.uk/2006/08/mobile-broadband-covering-e-checker/>  
 A2: Please try re-positioning Smartbel at another location and re-run the pre-install checks.  
 If you are still having reception issues an additional internal or external antenna may be required. For further information please refer to improving reception and optional accessories.

#### Q4: I am concerned that the Doorbell will get damaged being outside all year round

A: The Doorbell housing is made from a tough impact resistant material and is water resistant.  
 It is still however recommended that the Doorbell casing is checked and cleaned on a regular basis.  
 Clean with a damp cloth only and avoid the use of detergents or chemical washers.

### Important micro SIM card information

**(Read before use)**  
 An activated micro SIM card with credit on it is required to use Smartbel.  
 For versions of Smartbel supplied with a micro SIM card (76278235 and 76278240) you will need to activate your micro SIM card before use.  
 If your Smartbel is supplied without a micro SIM card, please obtain one. This will be "pay as you go" or contract based, the choice is yours.  
 Please activate your micro SIM card as instructed by the micro SIM card supplier. (This information is usually found on the SIM card holder the SIM is supplied with).  
 Please install your micro SIM card as detailed on page 30 taking care to make sure it is inserted the correct way.  
**To activate your micro SIM card (if supplied)**  
 1. Locate the micro SIM card holder (on top of these instructions) supplied inside the Smartbel box.  
 2. Visit: [www.smartbel.co.uk](http://www.smartbel.co.uk)  
 Select the "activate SIM" link and follow the online activation steps.  
 Your micro SIM card telephone number and ICCID information is contained on page 2 of the micro SIM card holder. Keep this card safe as you will need this information to activate your micro SIM card and to set up Smartbel.  
 If your Smartbel does not contain a micro SIM card holder, please contact customer services who can provide this information.

### Kit Contents

Prior to installation, please check that you have all the necessary parts and remove any protective film.

- Fixing templates
- Instruction booklet
- Smartbel
- Wall bracket
- Component bag 1
- Component bag 2
- Micro SIM card holder\*
- Rechargeable Li-ion battery\*
- Aerial
- Doorbell (inner / outer case)
- Component bag 3
- AC adapter

\* On selected models 76278235 and 76278240 only

### Changing the tones of Smartbel

To change the musical tones of Smartbel, press the musical note as shown. Each press will advance Smartbel onto the next tone.

### Changing the volume of Smartbel

The volume select is located on the rear of the Smartbel. Select between LOW, MEDIUM and HIGH.

### Hints and tips

#### Positioning of the Smartbel unit

Installations closer to the outside of the building and near windows can often improve reception, additional height gained from ground level can also improve reception.

#### Improving Reception - Medium to weak signal areas

The internal blade antenna can improve reception in medium to weak signal areas. For convenient indoor installation the recommended fixing position is on an inside window, (or other smooth indoor surface) as high up as possible.

#### Improving Reception - Weak to very weak signal areas

The external monopole antenna can improve reception in weak to very weak signal areas. The recommended fixing position is on an outdoor masonry wall, as high up as possible. Suitable for outdoor and indoor use.  
**N.B:** Please take care of the necessary safety precautions if working at heights. Further information can be found at [www.hse.gov.uk](http://www.hse.gov.uk)

### Checking the Status of Smartbel

Status indicates the current settings and the signal strength of Smartbel.

#### How do I check status?

To check the status of Smartbel use SMS to text (lower case): **status** to your **Smartbel number**. This will send a text to your Smartbel.  
 Smartbel will automatically send you back a confirmation text confirming both mode status and signal strength.

**Smartbel: ON Signal: Strong 14/15**

**NB:** All texts and calls will be charged at the going mobile operator rates.

### Receiving a call

When you receive a call, answer the call and press: 1 on your keypad to speak with the visitor at the door where Smartbel is installed.  
**Tip:** Add Smartbel to your mobile phone contact list. This will alert you when Smartbel calls.

### SPECIAL FEATURES

It is possible to alternately speak to the visitor at the door, and also the person inside the building where the Smartbel is installed. This feature may be useful for answering a relative's door on their behalf, and confirming it is safe for them to answer their door.  
 To speak to the visitor at the door press: 1  
 To speak to the person inside the building press: 2

### Component bags

- Wall grommet (x2)
- 10pcs internal adhesive strips
- 3m USB to mini USB cable
- Wall plugs (x5)
- Screws (x5)
- 5m ribbon RJ12-RJ12 cable
- 30cm ribbon RJ12-RJ12 cable
- Waterproofing cover
- Doorbell release tool

### Smartbel parts diagram

The following diagram shows an exploded view of the Smartbel. Wall Bracket and Aerial. These parts are easily detached using gentle force.

- Smartbel wall bracket
- Wall bracket screw holes
- SN and IMEI number
- Magnets
- Cable guide
- Aerial
- Aerial socket
- LED status indicator
- Microphone
- Doorbell select
- AC adapter

### How do I set Smartbel mode when I am away from home?

To remotely set Smartbel mode use SMS to text (lower case): **ton** to your **Smartbel number**.

### Doorbell mode

#### What is Doorbell mode?

The Smartbel mode is switched off.  
 Doorbell mode cancels the direct audio link with the Doorbell and also cancels the **Callback number** feature. This is not the default setting.

#### What happens when someone rings my Doorbell?

Smartbel functions as a normal Doorbell.  
 The callback function is not active.

#### How do I set Doorbell mode when at home?

Doorbell mode can be activated by pressing the "Smartbel / Doorbell mode" button until the icon remains lit.

Unit / Doorbell mode

#### How do I set Doorbell mode when I am away from home?

To remotely set Doorbell mode use SMS to text (lower case): **ton** to your **Smartbel number**.

### How do I know whether I have successfully set the Callback number?

Smartbel will automatically send you back a confirmation text:

**Smartbel: ON Signal: Strong 14/15**

If you do not receive a confirmation text, see Hints and Tips for ways of improving signal and set-up options. **NB:** It is not necessary to send another text. Smartbel will automatically respond once a valid signal is present.

### Modes of Operation

#### Smartbel mode (default setting)

#### What is Smartbel mode?

Smartbel mode allows you to speak remotely with your visitor shortly after the Doorbell is pressed. This is set automatically once the **Callback number** is set. This default setting is **Smartbel mode ON**.

#### What happens when someone rings my Doorbell?

Smartbel will ring the **Callback number**. This mode creates a direct audio link from the Doorbell to any mobile (or landline) telephone.

#### How do I set Smartbel mode when at home?

To set the **Callback number** is set. Smartbel mode can be activated by pressing the "Smartbel / Doorbell mode" button until the icon remains lit.

Lit / Smartbel mode

### Smartbel user guide

To allow convenient and safe communication with any visitor to the door where Smartbel is installed, you should leave the unit set to "doorbell mode" at all times (see Page 20). To cancel communication, the "Doorbell" mode can be used (see page 20). Smartbel will act in the same manner as a standard Doorbell without the intercom feature.

### Setting up calling - The Global Intercom feature

The Smartbel is controlled by sending SMS (text) messages to the micro SIM card in the device. If you are using your own micro SIM card, this will be the mobile telephone number of the micro SIM card you have installed. If you are using a pre-installed card, you can find the number on the micro SIM card holder found inside the box.

### IMPORTANT

- Note down the number of the micro SIM card - **Smartbel number**
- Write down the number you want Smartbel to call - **Callback number**

To set the number your Smartbel calls, you will need to send a text message containing the **Callback number** contained between an exclamation mark and an @ sign at each side as follows:

Send an SMS (text): **!@Callback number@ Smartbel number**

**Example:**  
**Smartbel number is 11111**  
**Callback number is 22222**  
 Send an SMS (text): **1@22222@11111**  
 To: **111111**

### Bell Push parts diagram

**NB:** The Doorbell is supplied in a small piece of foam separating the inner and outer casing. Please discard this before assembly.

- Inner casing
- MIC
- Switch
- Outer case locking tabs
- Speaker holes
- Outer casing
- MIC motor
- Push button
- Speaker grill
- RJ12 socket
- Waterproofing cover
- Cable guide

### Pre-install Checks

Please consider the following points to help you decide which installation option is best for you:

#### Signal strength

Can I receive a reliable signal on my mobile phone at the installation site?

#### Mains power

To avoid the use of electrical extension leads, is there a mains powered socket within 5m of the product?

#### Audible sound

Will I be able to hear the Doorbell?

#### Installation

Will I be able to create a suitable entry and exit point between indoors and outdoors for the connection cable?

### Smartbel Assembly

1.0 Attach the aerial to the aerial socket as shown.

### Installing the Smartbel wall bracket

4.6 Align the Smartbel bracket with the pre-drilled holes.

**IMPORTANT**  
 To avoid damage to the cable, please ensure that the RJ12 cable is routed along and out of one of the cable guides as indicated, and that the cable does not get trapped between the wall and the bracket.

Cable option 1, Cable option 2, Cable option 3

### 1.3

Connect the other end of the USB lead into the AC adapter, and plug into a mains socket. Turn on the socket.

### 1.4

Charge the battery for a minimum of 2 hours.

### 1.5

Once charging is complete, position Smartbel in the preferred installation location. Smartbel will automatically search for a signal. Position the Smartbel vertically to replicate the final installation position. You may unplug the Smartbel if you wish.

### 1.6

Searching for a signal can take up to 2 minutes, during which time you can monitor the LED status. The aim is for a green signal indicator, indicating that you are able to receive a good signal.

### LED status

**Green = good signal**      **Red = no signal**

1.7 A flashing green / Red LED indicates a weak signal.  
 If you do not receive a green indicator during this period, please re-position Smartbel to another location and repeat the process. See Hints and Tips for ways of improving signal and set-up options.

### IMPORTANT

After re-positioning Smartbel, it can take up to two minutes to register a change of signal.  
 Please leave the unit in position for this period of time before changing the position of Smartbel. Ensure that you are happy with the signal reception prior to commencing installation.

### 4.3

With the Smartbel template in position, drill the three 6mm holes directly through the template, using either a wood drill bit (if drilling into wood), or a masonry drill bit (if drilling into brick or stone). The holes should be drilled to a depth of 30mm.

### 4.4

After drilling the holes, remove and discard the template.

### 4.5

Insert the three remaining wall plugs into the three pre-drilled holes.

### Smartbel installation (internal)

#### 4.0

A. With the fixing cover open, firmly insert the RJ12 plug (with backing) into the rear of the cabinet ensuring the yellow markings are aligned for a flush connection.

B. Slide the fixing cover in a firm upwards motion to secure the RJ12 plug into place. A positive click sound will indicate that the fixing cover has been correctly secured.

#### 4.1

Choose a suitable location for the installation of Smartbel. Door frame mounting is recommended if using the 30cm RJ12 cable. Wall mounting is recommended if using the 5m RJ12 cable.  
**NB:** Installation distances further than 1.8m from a power source can be achieved using one of the optional power accessories.

#### 4.2

Remove the adhesive backing from the Smartbel template, and affix at your chosen installation point.

If you are still experiencing difficulty in obtaining a signal after re-positioning Smartbel, it is likely that you are in a weak signal area. An optional external antenna may be required.  
 In exceptionally weak signal areas, Smartbel may not operate. An external GSM repeater or booster may be required.

### 3.2

To complete installation, clip the Doorbell outer housing into place ensuring the microphone is positioned at the top of the Doorbell, as indicated below. If you want to remove the cover at any time, you can use the Doorbell release tool to release by inserting from the base and pushing up as shown.

### 3.3

From the inside, whilst holding the RJ12 cable taut, place the second rubber grommet over the RJ12 cable and insert into the hole. The completed grommet installation is shown below.

Congratulations! External installation is now complete.

### 2.9

Identify the cable from the inside, taking up any slack. Ease the Doorbell and grommet assembly into the hole with a gentle twisting action until flush.

### 3.0

Align the Doorbell holes with the pre-drilled holes, and insert the screws through the holes, into the wall or door frame.

### 3.1

Secure the Doorbell unit into position by tightening the screws with a screwdriver. Be careful not to over-tighten.

### 2.1

Remove the adhesive backing from the Doorbell template and affix at your chosen installation point.

### 2.2

With the Doorbell template in position, drill the three holes directly through the template, using either a wood drill bit (if drilling into wood), or a masonry drill bit (if drilling into brick or stone). The large 13mm centre hole should be drilled entirely through the wall with the 6mm holes drilled to a depth of 30mm.

### 2.3

After drilling the holes discard the template.

### 2.4

Insert 2 wall plugs into both of the smaller 6mm drilled holes.

### 2.5

Using either the 30cm or 5m RJ12 cable, thread the plug end (without backplate) through the largest drilled hole from the inside to the outside as shown.

With Backplate      Without Backplate

### 2.6

Plug the RJ12 cable (without backplate) into the Doorbell socket as shown.

### 2.7

Ensuring the red semi-circles are aligned, place the waterproofing cover over the cable entry as shown. Firmly plug into place and route the cable as indicated.

### 2.8

Position the wall grommet over the RJ12 cable as shown, and secure the grommet into the pre-drilled hole from the outside whilst supporting the Doorbell.