.

Figure 20. Screw the cover into position.

16.   Energy Efficiency

Recommendations on how to save energy:

- Do not charge a battery when the ambient room temperature is above +40° C or below +5° C (above 104° F or below 41° F). Charging below +5° C will harm the battery and shorten the lifetime.

- Note that storing Li-Ion batteries at high temperature dramatically reduces its capacity. For example storage around +60° C reduces capacity with 20% in less than a month, permanently.

- Set the handset screen saver to the "Black also in call" option. The screen goes black and the backlight is turned off. In addition, the backlight is turned off when the handset is in call. This helps extend battery life especially when the user is on an extended call. See Screen Saver on page 71.

- The handset can be configured to switch off when placed in the charger. When removed from the charger the handset switches on automatically. See 8.1.5 In Charger Action when not in Call on page 52.

- If the charger will not be used for a longer period of time, remove the power adapter to the charger.

- Do not put the handset in charger if no charging is needed.

17   Related Documents

Configuration Manual, Ascom d63 DECT Handset	TD 93151EN
Function Description, Interactive Messaging	TD 92168GB
Configuration Manual IMS3	TD 92762EN
Installation and Operational Manual, IP-DECT	TD 92579EN
Installation and Operational Manual Portable Device Manager (WinPDM), Windows version	TD 92325EN
Configuration Manual, Unite Connectivity Manager	TD 92735EN
User Manual, Device Manager	TD 92855EN

18   Document History

Version	Date	Description
PA1	1 October 2015	First preliminary version.
PA2	7 January 2016	Second preliminary version.
PA3	24 March 2016	Third preliminary version.
PA4	20 June 2016	Fourth preliminary version.
PA5	28 June 2016	Fifth preliminary version.

Appendix A. Bluetooth Headset

A.1   Introduction

Bluetooth technology replaces the cord between the handset and the headset. This allows the user to move more freely and eliminates the risk of a headset cord getting stuck.

Bluetooth supported functions:

- Pair the handset with it's headset
- Choose which device to use when making a call
- Play ring signal in the Bluetooth Headset
- Answer and connect sound to the Bluetooth Headset when answering with the headset's button.
- End call with the Bluetooth headset's button
- Transfer audio to/from Bluetooth headset during call, using the menu in the handset.
- Increase/decrease the volume in the Bluetooth headset with the volume buttons on the handset.

A.2   Icon

See 2.3 Icons and Text in the Display on page 7.

A.3   Wear

For optimal performance wear the Bluetooth headset and the handset on the same side of your body. The best audio quality in the headset is achieved when no obstructions, including your body, are between the headset and the handset.
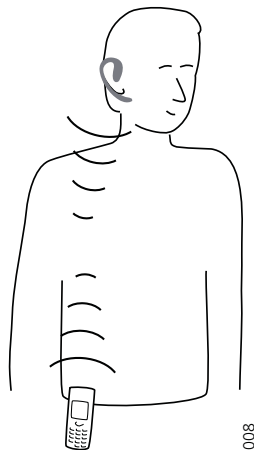

Figure 21. Wear the headset and the handset on the same side of your body.

A.4   Headsets

A number of Bluetooth headsets for different work situations have been tested together with the handset. Refer to the Ascom Wireless Extranet Website for a list of verified Bluetooth headsets.

Since the Bluetooth supports the Bluetooth 2.0 standard, other headsets may also work although not verified by Ascom.

Note: The Bluetooth headset may have more or less functions than described here, refer to the Manual for the Bluetooth headset.

A.5   Operation

Step between the menus with the navigation key . Confirm each menu selection by pressing the Soft key "Select".

A.5.1   Enable Bluetooth

To enable the Bluetooth function enter in the handset menu, select Bluetooth and select ''Enable''.

A.5.2   Pair and Connect a Bluetooth Headset

Before a headset can be used a connection (pairing) between the headset and the handset must be established.

1   Place the Bluetooth headset and the handset next to each other.

2   Enable Bluetooth, see A.5.1Enable Bluetooth.

3   Put the Bluetooth headset in pairing mode, see the user manual for the Bluetooth headset.

4   On the handset enter in the menu, select ''Bluetooth'' > ''Headset'', ''Add new''. A dialog "Put headset in Pairing mode" is displayed.

5   Press "OK". It now searches for a Bluetooth headset to connect to.

6   When headset is found, press "Pair".

7   If needed, enter PIN code, see user manual for the Bluetooth headset. Press "OK".

The dialog *Successful pairing* appears if the pairing process was successful. The Bluetooth headset is also connected and this is indicated by a colored square ◼ in front of the headset.

A.5.3   Add another Bluetooth Headset

Up to eight headsets can be paired to the handset, but only one at a time can be selected. To pair another headset repeat section ''Pair and Connect a headset'' steps 1-6.

The paired headsets are displayed by a default name in the handset menu ''Headset''. See A.5.6Change the name of Bluetooth headset

A.5.4   Select a Bluetooth Headset

To activate a Bluetooth headset, do as follows:

1   Enter in the handset menu and select ''Bluetooth'' > ''Headset''.

2   Select a headset by pressing up or down on the navigation key.

3   Press the soft key "Select". "Connection successful" is displayed. The headset is now selected.

When a new headset has been selected any previous headset is disconnected automatically.

A.5.5   Remove a Headset

To remove a Bluetooth headset, do as follows:

1   Enter ⬚ in the handset menu and select ''Bluetooth'' > ''Headset''.

2   Select a headset by pressing up or down on the navigation key.

3   Press the soft key ''More''.

4   Select ''Delete'' and confirm with the soft key ''Yes''.

A.5.6   Change the name of Bluetooth headset

The name, in the headset list, of the headset is the default name for the headset.

To change the name, do as follows:

1   Enter ⬚ in the handset menu and select ''Bluetooth'' > ''Headset''.

2   Select a headset by pressing up or down on the navigation key.

3   Press the soft key ''More''.

4   Select ''Edit name''. Enter a name, see 2.5 Alphanumeric Keys on page 13.

A.6   Calling

A.6.1   Make a Call

Dial the number on the handset and press the soft key ''Call'', or the Off-hook key. When ''Transfer call to phone?'' is displayed press ''No'' or ignore the message to use the Bluetooth Headset. Press ''Yes'' to use the handset.

A.6.2   Answer a Call

A ring signal sounds in both the selected Bluetooth headset and the handset to signal an incoming call.

To answer the call in the Bluetooth headset, press the button on the headset.

To answer the call in the handset press the Off-hook key on the handset.

A.6.3   End a Call

To end the call press the button on the headset or the On-hook key on the handset.

A.7   Volume and Mute Control

A.7.1   Adjust the Volume During a Call

Depending on the Bluetooth headset it might be possible to adjust the volume on the headset*. On the handset press the upper Volume button on the upper left side to increase the volume and the lower Volume button to decrease the volume in the headset.

A.7.2   Turn the Microphone On/Off During a Call

Mute the headset and the handset with the Sound off key on the handset. See 5.4.4 Turn the Microphone On or Off during a Call on page 28.

A.8   Messaging

When a text message is received during an ongoing call, a beep sounds in the Bluetooth headset.

A.9   Transfer a call

A.9.1   Transfer a Call to the handset

To transfer a call to the handset from the Bluetooth headset, press the soft key "More" on the handset during the call, and select ''Audio transfer''.

A.9.2   Transfer a Call to the Bluetooth Headset

To transfer the call to the Bluetooth headset, press the soft key "More" on the handset during the call, and select ''Audio transfer''.

A call can also be transferred to the Bluetooth headset by pressing the button[1] on the Bluetooth headset.

A.10   Switch to a Headset with Cord

If a headset with a cord is connected during a call, the call is transferred to this headset automatically.

A.11   Menu Tree

See 3.8 Settings on page 20.

A.12   Operation Notice

A.12.1   Accessibility and Voice quality

Bluetooth uses the frequency of 2.45 GHz. WLAN, microwave oven, and other devices that use the same frequency can disturb the use of a Bluetooth headset.

A.12.2   Operation Area

Maximum distance between the headset and the handset is 10 metres. The communication distance between the handset and headset may vary considerably due to the environment and disturbances from other 2.45 GHz equipment. Different headsets can also give different communication distances.

A.12.3   Out of Range

If a connection cannot be made with the selected Bluetooth headset the call is transferred automatically to the handset.

If the Bluetooth headset and the handset get out of range from each other the connection is temporarily lost. Since the last connected headset is always considered "selected", the connection is automatically established again when a call is made or received.

A.13 Environmental Requirements

A.13.1 Bluetooth Headset Battery

See the manual for the Bluetooth headset.

A.14 Troubleshooting

Problem	Reason	Solution
No headset found	Headset is turned off	Turn on headset[1]
	Headset is out of battery	Charge headset[1]
	Headset is out of range	Move headset closer to handset < 10 metre.
	Headset is not in pairing mode	Turn headset into pairing mode[1]
Pairing fails	Headset is not in pairing mode	Turn headset into pairing/ discoverable mode[1]
	Incorrect PIN entered	Try again and enter correct PIN[1]
Connecting fails/Failed to connect headset	Headset is not turned on	Turn on headset[1]
	Headset is out of range	Move headset closer to handset
	Link key in headset has been deleted	Repeat pairing procedure[1]
	Headset is already connected to another handset	Disconnect headset from the other handset
	Too close to disturbing devices.	Disturbing devices can be WLAN equipment, microwave etc.
Headset can not connect to handset (see headset manual for details on how to connect)	Handset is not turned on	Turn on handset[1]
	Handset is out of range	Move handset closer to headset
	Bluetooth module is disabled	Enable Bluetooth in Bluetooth menu
	Another headset is already connected to the handset	Disconnect the connected headset
	Link key is missing in either headset or handset.	Repeat pairing procedure[1]
	Too close to disturbing devices.	Disturbing devices can be WLAN equipment, microwave etc.

1. Refer to the Manual for the Bluetooth headset

Appendix B. Safety Precautions

Read this chapter before using the handset.

NOTE: Product Designator for regulatory purposes of the Ascom DECT Handset d63 is DH7.

Safe operation

For safe and efficient operation of the handset, observe the guidelines given in this manual and all necessary safety precautions when using the handset. Follow the operating instructions and adhere to all warnings and safety precautions located on the product, the Regulatory Information delivered with the handset, and this User Manual.

Do not disassemble the handset. Disassembling the handset voids the warranty. The handset consists of no consumer serviceable components. Service should be performed by an Authorized Service Center only.

Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.Frequency Range

The handset is a radio transmitter and receiver. When it is on, it receives and sends out radio frequency (RF) energy. The handset operates on different frequency ranges depending on market and employs commonly used modulation techniques:

EU (ETSI):   1880-1900 MHz/250mW

USA/Canada (FCC):   1920-1930 MHz/100mW

B.1   Regulatory Information (EU and EFTA)

B.1.1   Exposure to Radio Frequency Signals

	Close to ear	Handheld/body mounted
DH7-xxxx	0.075 W/kg (10 g)	0.076 W/kg (10 g)

THIS MOBILE DEVICE MEETS GUIDELINES FOR EXPOSURE TO RADIO WAVES. Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 W/kg averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 0.201 W/kg and at the body is 0.278 W/kg (The measure distance of 1.5 cm). Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band.

B.2   Regulatory Compliance Statements (USA and Canada only)

FCC ID: DH7-xBxx:BXZDH7BT DH7-xDxx:BXZDH7BT DH7-xAxx:BXZDH7
IC: DH7-xBxx:3724B-DH7BT DH7-xDxx:3724B-DH7BT DH7-xAxx:3724B-DH7

B.2.1   FCC and IC Compliance Statements

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antennas.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Privacy of communications may not be ensured when using this handset.

B.2.2   Exposure to Radio Frequency Signals

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device complies with FCC SAR limit of 1.6 W/kg. The maximum SAR value measured, see below.

	Head	Body
DH7-xxxx	TBD W/kg	TBD W/kg

The handset is designed to be worn with the display towards the body for best radio performance. SAR testing is made with no separation, to approve the device to be carried close to the body.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

Use of non-Ascom approved accessories may violate the FCC and IC guidelines for RF exposure and should be avoided.

B.3   Precautions

B.3.1   Handset

- Avoid volume levels that may be harmful to your hearing. Exposure to excessive sound pressure from a handset's earpiece or headset may cause permanent hearing loss.

- Low volume levels might result in missed alerts.
- Only use the handset in temperatures between:
  -5 °C and +45 °C (23 °F and 113 °F).
- Avoid exposing the handset to direct sunlight, heat sources and moisture.
- Do not place a cold handset in a charger.
- Avoid sudden temperature changes to prevent condensation in the handset. It is recommended to put the handset into an air tight plastic bag until the temperature is adjusted, for example, when entering or leaving a cold/heated building on a warm/cold day.
- If the handset has been exposed to water or condense, remove the battery immediately, and let it dry completely before re-inserting the battery.
- Do not expose the handset to open flame.
- Protect your handset from aggressive liquids and vapors.
- Remove the handset from the Charger before cleaning the handset to reduce risk of electric shock.
- Keep the handset away from strong electromagnetic fields.
- The handset may retain small metal objects around the earpiece region.
- Do not place heavy objects on the handset.
- Do not allow children to play with the product packaging material. This could cause choking and/or suffocation.
- Do not allow children to play with the handset. It is not a toy.

B.3.2   Battery

- Do not immerse the battery into water. This could short-circuit and damage the battery.
- Do not expose the battery to an open flame. This could cause the battery to explode.
- Do not allow the metal contacts on the battery to touch another metal object. This could short-circuit and damage the battery.
- Do not leave the battery where it could be subjected to extremely high temperatures, such as inside a car on a hot day.
- Use the Desktop Charger, the Charging Rack, or the Battery Pack Charger for charging. Charge the battery for at least one hour the first time you use the battery.
- Do not charge the battery when the ambient room temperature is above 40 °C or below 5 °C (above 104 °F or below 41 °F).
- Do not attempt to take the battery apart.
- Do not remove the battery, unless it needs to be replaced.
- Power off the handset before removing the battery.

Battery Disposal

Defective batteries must be returned to a collection point for chemical waste disposal.