GDC-600TBE

DECT Site survey kit

Rod Pope
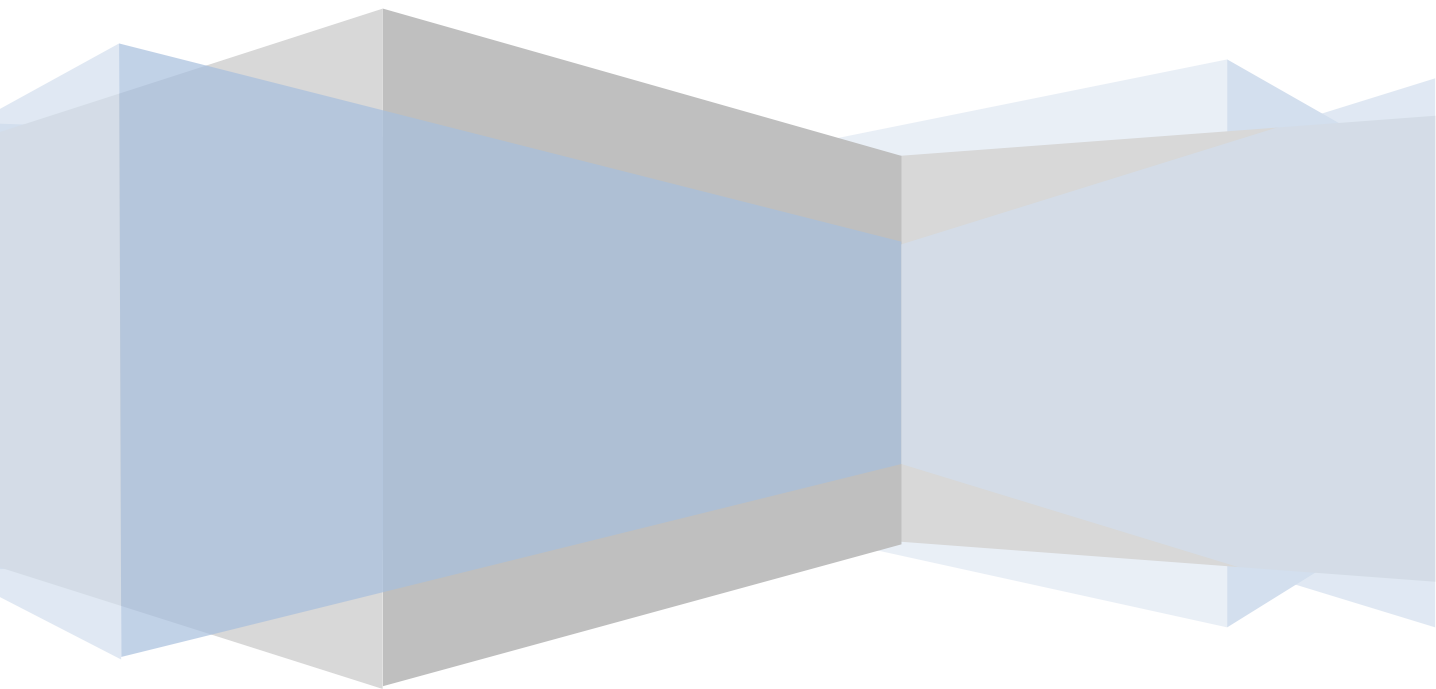
GDC-600TBE

Survey tool

The GDC-600TBE survey tool comprises of what appears to be a modified GDC-600BE base station and a 5v 1.5mAh plug pack/charger. The rear of the GDC-600TBE has an input for the charger, an on/off switch and four dip switches (similar in appearance to those found on an MFIM). There is also a sticker describing the functions of the DIP switches.

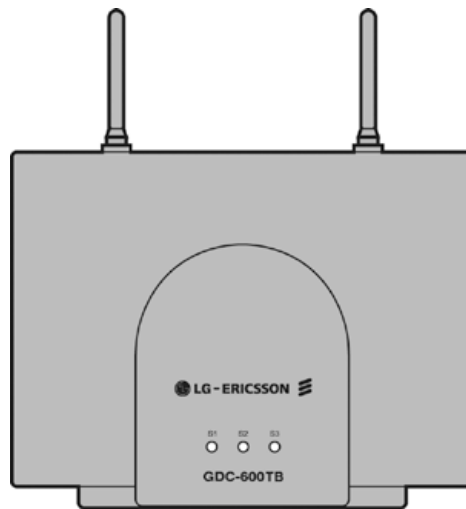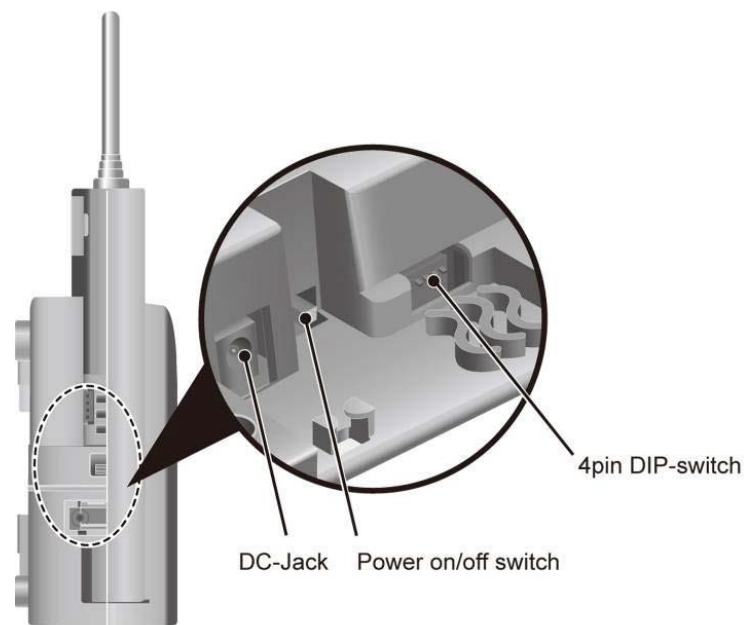| S/W	ON	OFF	Remark
1	Register	Normal	Registration
2	Europe	USA	Europe
3	←		Deregister
4	Reserved	Reserved	Reserved

Ensure all units are fully charged before use

GDC-600TBE

Like the GDC-600BE the TBE has three LEDs on the front labelled S1, S2 and S3 and two external antennas. LED S1 shows subscription status, S2 LED indicates if the GDC-600TBE is in Europe (1.88 to 1.9GHz) or USA (1.92 to 1.93GHz) mode. Australia uses Europe (1.88 to 1.9GHz) exclusively. The S3 LED is used to indicate charging state and low battery. See the chart below for more information charged.

LED	Normal		Alleged function
S1	Green steady	✸	Handset subscribed
	Green flashing	〇	Waiting for subscription
	Red flashing	〇	De-subscribing/clear subscription
S2	Green steady	✸	Euro Mode (used in Australia)
	Off		USA mode (do not use)
S3	Red steady	✸	Battery charging
	Green steady	✸	Battery charged
	Amber steady	✸	Low battery warning
	Off		Charger not connected

Inside the GDC-600TBE is a battery this battery is the same style battery found in the GDC-450H and WIT-400H handsets. The charging power packs used for GDC-400H can also be used to charge the GDC-600TBE.

Compatible handsets

The following handsets with the minimum firmware revisions are to be used with the GDC-600TBE survey base.

| DECT Phone	Version
GDC-400H	1.0Db or later
GDC-450H	1.0Bd or later

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To register handset;

You must have at least one handset registered to the test base to conduct a site survey. Any compatible handset can be used, our kits will be delivered with one GDC-450H handset each.

Up to six (6) handsets can be registered to a GDC-600TBE at once.

1. Ensure the switches on the GDC-600TBE are set to off, on, off, off
2. Fully charge GDC-450H and GDC-600TBE
3. Turn on GDC-600TBE and set switches as follows; on, on, off, off. S1 LED begins to flash green.
4. Turn on GDC-450H
   a. Press Menu
   b. Press INT ▶ twice followed by OK
   c. With ν LWS Subscription highlighted press OK
   d. Wait for the handset to display he Park number of the test base I.E.

Phone Register
- LWS Subscription
- 00100-17091h
- Modify PIN
- Base ID

| OK | Back |
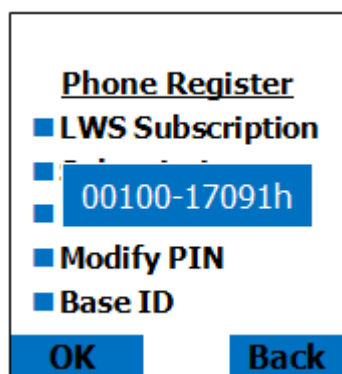
   e. Press OK
5. The handset should now be registered to the test base and S1 LED stops flashing and becomes solid green. The GDC-450H screen shows BS 1
6. Change the switches on the GDC-600TBE to off, on, off, off.
7. To register another handset (up to 6) repeat return to step 3.

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To de-register handsets;

If you are using any handsets other than the one supplied you must de-register the old handsets before registering the new. IF there is no registered handset available this procedure will clear all previous subscriptions.

1. Ensure the switches on the GDC-600TBE are set to off, on, off, off
2. Turn on both GDC-450H and GDC-600TBE
3. Move switch 3 to on.
4. The LED S1 flickers red then turns green. The GDC-450H handset is now de-registered.
5. Return the switches on the GDC-600TBE to off, on, off, off

Note: there is no way to remove only one subscription.

Erasing subscription on a handset;

If you have a handset with an existing subscription and no base follow these instructions to erase all data from the handset.

1. Turn on GDC-450H
2. Press Menu
3. Press INT ▶ twice followed by OK
4. Scroll down until v Reset is highlighted and press OK
5. Enter HS PIN: 0000 and press OK
6. Scroll down until v Handset is highlighted and press OK
7. Press BACK is until you return to the main screen.

Calling between handsets;

If you are working in a team to complete the site survey there are likely to be times you need to contact your colleague. Instead of shouting across the work place or using your mobile you can call between registered DECT handsets.

The handsets number in the order they were subscribed (1 through 6).

To place a call press INT ▶ followed by the sequence No. (1 through 6).

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GDC-600TBE SPECIFICATIONS

GDC-600TB Specification

Operating Temperature:	0 ~ +40°C
Battery:	Li-Ion
5V Input Current (Idle):	110~120mA
Weight	420g
Frequency Band	
European Mode:	1880 ~ 1900MHz
USA Mode:	1920 ~ 1930MHz
Typical range:	250 meters (in open line of site)
RF Transmission Power:	250mW
Access method:	TDMA
Modulation Method:	GFSK
RF Channel Spacing:	1.728MHz
Data Rate:	1.152Mbps
Frame Length:	10mS
Carrier Duplex:	24 slots per frame

AC DC Adapter minimum Specification

Operating Temperature:	0 ~ +40°C
AC Input Voltage Range:	90 ~ 264Vac
AC Input Voltage (Normal):	100 ~ 240Vac
AC input Current:	0.20A Max
AC Input Frequency Range:	47 ~ 63 Hz
AC Input Frequency:	50 / 60 Hz
Output Voltage:	DC 5.1V (4.75V ~ 5.25V)
Output Current:	700mA

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aria TECHNOLOGIES

For detailed information on iPECS DECT and site survey procedures
please read **ATIB-1042**

Survey Kit No. MEL01

Part	Qty	Serial No:
GDC-600TBE survey base station	1	
12V plug pack for GDC-TBE	1	N/A
GDC-450H test handset	2	
GDC-450H charger base	2	
5.1V plug pack for GDC-450H	2	N/A
This Manual	1	

Must be promptly returned to:

Attention

Aria Technologies

895 Wellington Rd

Rowville, Vic 3178

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