

TH688 GSM/DECT dual mode phone DPYNB 101 22205 EG11, DPYNB 101 2205 EG21 and DPYNB 101 2205 EG31

Versions

EG11 For France, Great Britain, South Africa, Switzerland and the Netherlands

EG21 For Denmark, Finland, Norway and Sweden

EG31 For Italy, Portugal and Spain

Features

- *Dual mode: GSM 900/DECT*
- *DECT GAP compliant with external handover (CAP) functionality for MD110 (from BC10 onwards)*
- *Talk time up to 3 hrs 40 min in GSM and 14 hrs 40 min in DECT with battery supplied*
- *Stand-by time 42 hrs in GSM and 70 hrs in DECT with battery supplied*
- *One phone book for GSM and DECT*
- *Calling line Identification Presentation (CLIP)*
- *Calling Name/Number Recognition (CNR)*
- *Connected Line Presentation (COLP)*
- *Redirected Line Information Presentation (RLIP)*
- *Message waiting Indication (MWI)*
- *Idle and in-call display*
- *Quick call by name function*

General

The TH688 makes it possible to have only one phone to support the mobile business needs. In the office, users of the Dual Mode phone are connected to the fixed network and have access to all the functions of a wired DTMF telephone, plus the additional features of a cordless environment. Outside the office, the GSM network takes over, providing all the features of mobile telephony.

The TH688 can be used with the following cordless systems:

- DCT1800 (A-protocol)
- DCT1800-MSS (B-protocol)
- DCT1800-GAP
- MD110-BC10 (CAP-protocol)
- Business Phone (with A-protocol or GAP)

DECT advantages

- Availability of full PBX functionality.
- On-site roaming.
- On-site calls are not charged.
- Automatic DECT registration when in range of the DECT network.

GSM advantages

- Open GSM standard including SMS and data/fax capabilities.
- Wide range of accessories available.

DECT services

- All PBX features.
- Calling Line Identification Presentation (CLIP) lets you see who is calling. If the cordless network supports CLIP, the TH688 presents the number of the caller on the display.
- Calling Name/Number Recognition (CNR) shows the name of the calling party on the display when this name and number are stored in the cordless phone's phone book.



- Who Called list for the last 5 answered calls. You can dial back easily the last 5 persons you have been speaking to on the phone without the need to look up phone numbers.
- Missed Call list for the last 10 unanswered calls. In case you missed any calls, this will be shown immediately on the display, and you can select the name or number from the list to dial back. The Missed Call list will increase the efficiency in your organization, reduce turn-around time for questions, and increase customer satisfaction.
- Connected Line Presentation (COLP) shows the extension number of the party the call is connected to, during an outgoing call. You can see immediately if the person you are trying to reach has diverted to another extension, and decide to stop the call when you want to speak only to that specific person in question. In case the name of the COLP number is present in your

phone book, the name will be shown in stead of the number.

- Redirected Line Information Presentation (RLIP) shows the extension number from which the call is being redirected during an incoming call set-up. This feature makes it easier for example for a secretary to answer a redirected phone call in the name of somebody else, and avoids confusion with the other party when answering the call.
- The TH688 phone supports Message Waiting Indication (MWI) following the CAP standard. Message Waiting Indication shows an envelope icon in your display when you have a new message in your voice mail box. You know immediately when somebody left a voice mail for you, and the response time to voice mail messages will go down, resulting in improved efficiency and customer satisfaction.
- The TH688 supports idle and in-call display functionality. On certain cordless networks, these features are used to show the status of your extension, both in idle mode, and when making a phone call. You will notice immediately when your phone is still diverted and you forgot to reset the divert. You will be able to easier manage your reachability.
- Call Divert for dealing with calls when you are unavailable. If supported by the DECT network.

GSM Services

- Call Wait/Hold lets you manage 2 calls simultaneously.
- Call Barring to safeguard your call costs.
- Data/Fax (9600 bps) via an infrared modem gives you Mobile Office capability.
- Short Message Service (SMS) enables you to send and receive short messages up to 160 characters long.

User Interface

Familiar, user-friendly one key access to menu functions guarantees ease of use. Most functions and their different settings appear in the menu system.

Display

The alphanumeric display contains 3 character rows of 12 characters each, and indicators for signal level strength, battery level.

The high contrast display has a large viewing area and a backlight.

Time is shown in the standby display. Automatic adjustment of the internal real time clock with the DECT system Real Time Clock (RTC) is possible in an Ericsson DECT system that supports time and date.

Keypad

The ergonomically designed keypad affords comfort and speed.

On the phone's upper left hand side there are 2 side keys. These can be used to increase and decrease the volume during conversation. The side keys also can be used to reject an incoming call by pressing a side key twice.

All buttons, except for the side keys, are distinctly illuminated. The light automatically turns off 10 seconds after the last key has been pressed (if "auto" is selected in the Settings function). This is a battery saving option.

Networks

The TH688 GSM/DECT Dual Mode can be subscribed to up to 8 different DECT networks. Switching between networks can be done automatically (using priority settings) or manually.

When you are on the move or out of range of a DECT network, the TH688 switches automatically to the GSM network giving you all the advantages of mobile communications.

You can also manually select which system the TH688 connects to, DECT or GSM.

Languages

The TH688 GSM/DECT Dual Mode supports 19 languages. The language can be selected by using the Settings Menu or will be chosen automatically.

Phone book

Phone numbers with accompanying names can be stored on the SIM card and in an internal flash memory. The SIM card can store up to 100 numbers. There are up to 1,000 positions in the flash memory. Both phone books are accessible from both modes and are network independent.

Speed dialling is possible for numbers stored in positions 1 to 9.

The TH688 has been provided with an easy to use "Quick call by name" function. When in the standby menu a number key is pressed for a second, a name can be recalled from the phone book without using the phone's menu.

There is also a Dialed Number list (last 5 dialed numbers), an Answered Calls list (last 5 answered numbers) and a Missed Calls list (10 unanswered calls).

Security

For security the TH688 has been provided with:

- a Card Lock protecting the SIM card.
- a Phone Lock protecting the phone from unauthorized use.
- a Call barring to safeguard your GSM call costs.
- a Keypad lock protecting against unintentional operation of the phone.

Batteries and charging

The TH688 GSM/DECT Dual Mode will standard be equipped with an Ultra Slim Nickel Metal Hydride battery.

The TH688 can be equipped with 3 types of Nickel Metal Hydride (NiMH) batteries (see table 1).

It can be charged both when switched on or off and even when the SIM card is removed.

The TH688 can be charged either with the travel charger that is included in the package or with the DS600 Docking Station.

| | Slim battery NM6050 | Ultra slim battery NM6065 | High performance battery NM6120 |
|-----------------------------------|--------------------------------|--------------------------------------|--|
| Type | NiMH 500 mAh | NiMH 800 mAh | NiMH 1200 mAh |
| Talk time GSM | 140 min | 230 min | 340 min |
| Talk time DECT | 9 hrs 10 min | 15 hrs 10 min | 22 hrs 30 min |
| Standby time GSM | 26 hrs 15 min | 42 hrs | 63 hrs |
| Standby time DECT | 40 hrs | 70 hrs | 100 hrs |
| Charging time with travel charger | 1 h approx. | 1 h 20 min approx. | 2 hrs 35 min approx. |

Table 1 Talk and standby times

Specifications

Specifications subject to change without prior notice.

Physical

| | |
|------------------|--------------------|
| Size (l × w × h) | : 130 × 49 × 23 mm |
| weight | : 220 grams |
| Colour | : black |

Environmental

| | |
|-----------------------------|-----------------|
| Operating temperature | : -10 to 55°C |
| Storage temperature | : -40 to +70 °C |
| Operating relative humidity | : 10 to 95% |
| Storage relative humidity | : 10 to 95% |

Ringer output

| | |
|----------------------------|---|
| Maximum sound output level | : 118 dB(A) typical at 10mm at highest volume |
|----------------------------|---|

Battery

| | |
|--------------|---|
| Type | : Ultra-slim NiMH battery, 800 mAh, 4.8 V |
| Talk time | : GSM: up to 3 hours 50 minutes DECT: up to 15 hours |
| Standby time | : GSM: up to 42 hours DECT: up to 70 hours |
| Charge time | : 3 hours maximum |

Compliance to regulations and standards

| | |
|--------------------|---|
| CE regulation | : 73/23/EEC, 89/336/EEC, 93/68/EEC, 1995/5/EC and 1973/23/EEC |
| DECT standards | : TBR6, TBR10, TBR22/A1 and TBR22/A2 |
| GSM standards | : TBR19 and TBR20 |
| DECT/GSM standards | : TBR36 and TBR 39 |
| Safety standard | : EN60950 |
| EMC standard | : ETS 300 329 and ETS 300 342-1 |