disty

distybox³⁰⁰

German	**DE**
English	**EN**
French	**FR**
Italian	**IT**
Spanish	**ES**

Operating Instructions

Certified Product
Made in Germany

www.disty.de

Table of contents
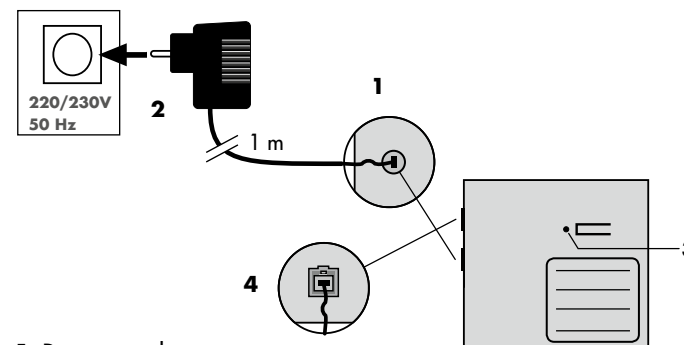
Important information

The **disty**box[300] is a DECT-standard cordless adapter for universal usage when operating analogue terminals on GAP-compatible DECT systems. Essentially a "cordless extension cable", the **disty**box[300] eliminates the need for complicated cabling work and can be registered on any standard DECT/GAP base station just like an extra cordless handset. The **disty**box[300] can be used to connect analogue telephones, fax machines, answering machines, entrance intercoms and modems to your DECT base station. The device must use DTMF dialling (voice frequency signalling); terminals that only support pulse dialling cannot be used on the **disty**box[300]. If your device uses pulse dialling, please check if it can also be switched over to DTMF dialling.

The **disty**box[300] features an integrated aerial and has a standard DECT range of up to 30 m indoors and up to 300 m out of doors.

NOTE   More information can be found in the download area on our homepage **www.disty.de**

Connections and indicator

220/230V
50 Hz

1 m

1 Power supply
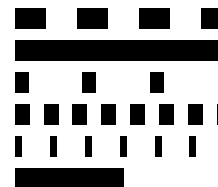**2** Power supply unit (adapter)

NOTE   After plugging in the power supply unit, the handset on the connected telephone must remain on the hook for at least 30 seconds.

NOTE   Only the power unit supplied should be used. Before opening the housing, ensure that the power supply unit is disconnected!

3 LED

I - time interval 8 sec - I LED off	▉ LED on
▉	No power supply
	Ready to use / standby mode / power available (220 / 230 V) / device is registered at a base station
▉ ▉ ▉ ▉	Incoming call alert
▉▉▉▉▉▉▉▉	Connection
▉ ▉ ▉ ▉	Programming mode (Menu)
▉▉▉▉▉▉▉	Search for the base
I I I I I I I	Found the base
▉▉▉▉	No Basis

4 Line connection   Connection for a telephone, fax
                                machine, answering machine or
                                modem. The RJ-11 socket is
                                assigned to the two middle
                                connections (pins 3 and 4).

Tones

Description of the tones (given in seconds)	Tone	Pause

Dial tone
(continous)

Special dial tone
(400/425 Hz, continous)

Busy tone
(425 Hz, repeated)

Positive acknowledge tone (single)

Negative acknowledge tone (single)

Mounting

SELECTING A SUITABLE LOCATION NOTE

The **disty**box^{300} is designed for wall mounting in interior rooms.

Please note that the device must not be fitted in the immediate vicinity of any other electronic devices such as hifi systems, office machines or microwave ovens. This prevents any interference between the devices. In addition, the device should not be installed near heat sources (e.g. radiators or in direct sunlight).

To prevent noise interference when making calls, the connected terminal should not be positioned closer than one metre away from the **disty**box^{300}.
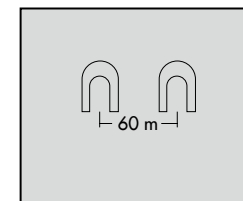
RADIO COVERAGE

The **disty**box^{300} must be able to establish a radio link to the DECT base station. Before determining the final mounting position, you should therefore check that your desired location is within the range of the DECT base station. Owing to the digital transmission in the frequency range used, there may be radiowave "blind spots" even within the specified range, depending on the nature of the building. This results in a loss of transmission quality. However, just a small change in position will restore normal transmission quality. As the **disty**box^{300} works as a cordless unit on your DECT base station, you can use your cordless handset to check whether or not the mounting position is suitable.

WALL MOUNTING

Follow the steps given below to install the **disty**box^{300}
1. Drill two 6 mm diameter holes into the wall at a distance of 60 mm apart.
2. Insert the rawl plug and turn the screws until they are approx. 5 mm away from the wall.
3. Connect your terminal to the **disty**box^{300}.

60 m

4. Connect the **disty**box³⁰⁰ to the power supply.
5. Fit **disty**box³⁰⁰ in place.

The **disty**box³⁰⁰ must be registered on your DECT / GAP base station before it can be used. The registration process can normally be carried out using the "Automatic registration" function.

"Programming mode" allows you to set various parameters to modify the **disty**box³⁰⁰ to suit the functionality of your base station. Additional parameters allow the distybox to be set according to your personal preferences. Manual registration can also be carried out in this mode.

Automatic registration

The **disty**box³⁰⁰ can be registered automatically, assuming it has not been registered on any other base station yet. To do this, the PIN on your base station must be set to "0000" or "1111".

1. Connect the power supply unit (adapter) to your **disty**box³⁰⁰.
2. Connect your telephone to the **disty**box³⁰⁰, leaving the handset on the hook.
3. Ensure that your base station enables an additional cordless phone to be registered.
4. During the registration process, the **disty**box³⁰⁰ should be located close to your base station.
5. Start the registration procedure for the device on your DECT / GAP base station as if you were registering an additional cordless unit. Instructions on how to do this will be given in the operating manual for your base station.
6. Plug the power supply unit into a power socket. The registration process will be started automatically.

7. The registration process has been successful if the LED flashes at intervals of approx. 10 seconds.

NOTE If the registration process has not been completed successfully within approx. 3 minutes, register the device manually in programming mode.

Programming mode

NOTE Programming mode on the **disty**box³⁰⁰ can only be activated within the first 10 minutes after plugging in the power supply unit. This prevents the parameters being changed accidentally during operation.

Activating programming mode

To put the **disty**box³⁰⁰ into programming mode, proceed as follows:

1. Connect your telephone to the **disty**box³⁰⁰.
2. Connect the power supply unit to your **disty**box³⁰⁰.
3. Plug the power supply unit into a power socket. Leave the phone on the hook for at least 30 seconds.
4. Lift the handset on your telephone. Depending on whether or not your **disty**box³⁰⁰ is already registered on a base station, you will either hear a busy tone or a dialling tone.
5. On your telephone, enter: *** * 9**
6. You will hear a positive acknowledgement tone.
7. **Optional step:** Enter the PIN for the **disty**box³⁰⁰ via your telephone.

NOTE The PIN only needs to be entered if a new PIN has been set up beforehand in programming mode.

NOTE Access to programming mode can be protected using the PIN!

8. You will hear the special dialling tone indicating that programming mode is active.

You can now enter the parameter codes to change the relevant features of your **disty**box300.

Let's say, for example, you want to use your **disty**box300 on a base station with an ISDN telephone connection. Activate programming mode as described above in points 1–8 and then proceed as **follows**:

1. Enter the programming code for "Connection to an ISDN / analogue Line": **4 0**
2. To activate the feature, enter: **0 #**
3. You will hear a positive acknowledgement tone, followed by the special dialling tone once more. The feature is now active.

Setting parameters in programming mode

NOTE

Not all the features offered by the **disty**box300 are supported by every DECT/GAP base station. Refer to the operating manual for your base station to clarify which features you can use.

Programming mode needs to be activated before this parameter can be set. The function-programming process is concluded by entering **#** and confirmed by the positive acknowledgement tone. You will then hear the special dialling tone once more, which means that you can continue programming other functions. With the exception of programming points **90, 91** and **99**, the change is effective without having to restart the **disty**box300.

If an invalid value is entered during programming, a negative acknowledgement tone is sounded, the procedure is cancelled and you will hear the special dialling tone once more.

If during programming no input is made for one minute, the procedure is cancelled and you will hear the special dialling tone again.

Programming mode can be exited at any time by replacing the handset; the **disty**box300 will then be returned to normal mode.

Function	Parameter code	Other input
Manual registration of the distybox300	1	**Base PIN #**

The base station PIN needs to be entered to register the **disty**box300. A PIN with 0 to 8 digits will be accepted by the **disty**box300. After entering **#** you will hear the positive acknowledge tone. Leave the handset off hook and wait until you hear again the special dial tone, which means that the registration is completed. If the registration process has not been completed successfully within approx. 3 minutes, crosscheck the settings of the base station and try again. Access to programming mode can be protected using the four-digit PIN.

Connection to an ISDN/analogue line	40	0 #

This setting has to be used if your base station is connected to an ISDN phone line. Send Keypad Information, while connection Keypad information will be suppressed, so it is possible to transmit DTMF signals.

	40	1 #

Suppress Keypad Information: This setting has to be used if your base station is connected to an analogue phone line.

Function	Parameter code	Other input
	40	2 #

Send always Keypad Information: This setting has to be used if your base station is a distybase Duo or other specified ISDN system.

Factory setting: 0

Function	Parameter code	Other input
Set PARK number	80	**PARK nummer #**

As an option, the registration process can be carried out using the PARK number of your DECT base station (PARK = Portable Access Rights Key). This can have up to 15 digits. The procedure is advisable if the registration process cannot be completed due to other active DECT base stations. Please refer to the user's guide for your base station for further details about PARK numbers.

Factory setting: no PARK number set.

Function	Parameter code	Other input
Activate PARK/ARI number	81	**0 #**

The PARK/ARI number set under programming point **80/85** is not used during the registration process.

| | 81 | 1 # |

The PARK/ARI number set under programming point **80/85** is used during the registration process.

Factory setting: 0

Function	Parameter code	Other input
Set ARI number	85	**31 ARI #**

Instead of the PARK number (see Parameter 80) the ARI number can be used for subsciption. For input of the ARI number use 31 as prefix.

Factory setting: no ARI number set.

Function	Parameter code	Other input
Reset distybox[300]	90	**#**

The **disty**box[300] is reset to the factory settings.

This means, however, that the **disty**box[300] is no longer registered on a base station. All previous settings are deleted. After unplugging / plugging in the adapter, the **disty**box[300] is restarted and reprogramming of the **disty**box[300] can begin.

Function	Parameter code	Other input
Reset parameter	91	**#**

NOTE The **disty**box[300] remains registered on the base station; all other parameters are reset to the factory settings.

NOTE After entering the parameter, replace the handset and wait for 30 seconds. The **disty**box[300] will be restarted automatically.

Operating instructions

Operating instructions

Technical data

Standard:	DECT (Digital Enhanced Cordless Telecommunications, GAP-compatible)
Frequency range:	1880 MHz to 1900 MHz
Transmission performance:	10 mW on average
Voice transmission:	32 kbit/s ADPCM
Fax mode:	Group 3, V.29, 9600 bit/s max.
Modem mode:	9600 bit/s maximum
Dialling mode:	DTMF (voice frequency signalling)
Connectable telephones:	Up to three standard telephones can be connected in parallel
CLIP:	Transmission via FSK1; protocol conforms to ETSI standard
Operating temperature:	+10°C to +40°wC
Relative humidity:	20% to 75%
Permissible storage temperature:	-10°C to +60°C
Display unit:	LED
Dimensions:	120 x 100 x 38 mm (W x H x D)
Weight:	140 g
Mounting location:	Wall mounting in interior rooms
Power supply:	12 V DC +/- 15% = 10.2-13.8 V (0.12 A zero signal current, 0.4 A max.)
Delivery package:	230 V AC, 50 Hz power supply unit, optional adapter

Product approval/CE mark

disty communications gmbh hereby declares that the **disty**box[300] conforms to the fundamental requirements and other relevant regulations stated in Directive 2014/53/EU (Radio and Telecommunication Terminal Equipment, R&TTE). Conformity is declared by the CE mark. The full declaration of conformity can be viewed on the following website: **www.disty.de**

Cleaning

Simply wipe the device with a slightly damp cloth or with an antistatic cloth; do not use a dry cloth. Do not use cleaning or scouring agents.

disty

disty communications GmbH
Andreas-Gayk-Straße 7–11 • D-24103 Kiel
phone +49 (0)4 31 · 3 64 58 01
Servicetelefon: +49 (0)4 31 · 3 64 58 24 (German-speaking)
Help & Contact: distybox@disty.de
www.disty.de

Bedienungsanleitung **disty**box³⁰⁰
Operating instructions **disty**box³⁰⁰

Mat.-No.: 5000 233 / Version 6.0 / Ausgabe / Edition: 12/2020

CE