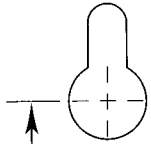


**« BOREAL 10H ML »**  
**MODE D'EMPLOI / USER MANUAL**

**REF 030604**

**S.A HENRI DEPAEPE**

**TEMPLATE  
FOR WALL  
MOUNTING**



Drilling Points  
100 mm

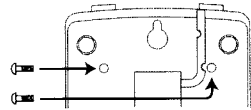
Entraxe  
100 mm

Screw : ST4 25mm  
Vis : 4 x 25mm

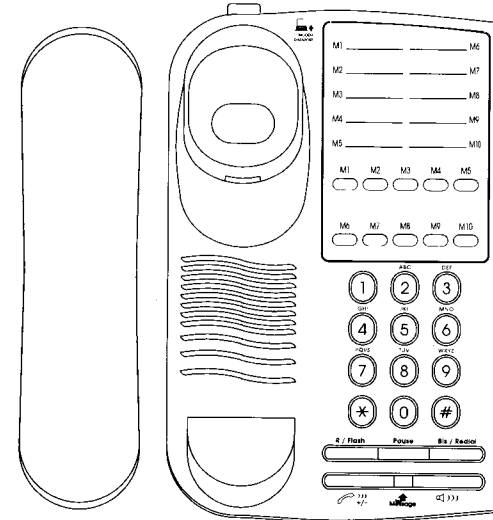
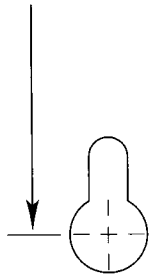
**IMPORTANT**

Introduire les 2 vis dans les 2 trous du fond du boîtier et visser pour assurer un bon maintien du fond sur le socle de l'appareil.

Use 2 screws to firmly secure the bracket with the base.



**PLAN DE  
PERÇAGE  
POUR UN  
MONTAGE  
MURAL**



98 Av., DE STALINGRAD

-BP 05- 92702 COLOMBES CEDEX. (FRANCE)

L'appareil « BOREAL 10H ML » de la société DEPAEPE est conforme à la norme de sécurité en vigueur EN 60950 Amendements 1 à 11.

## **SOMMAIRE / SUMMARY**

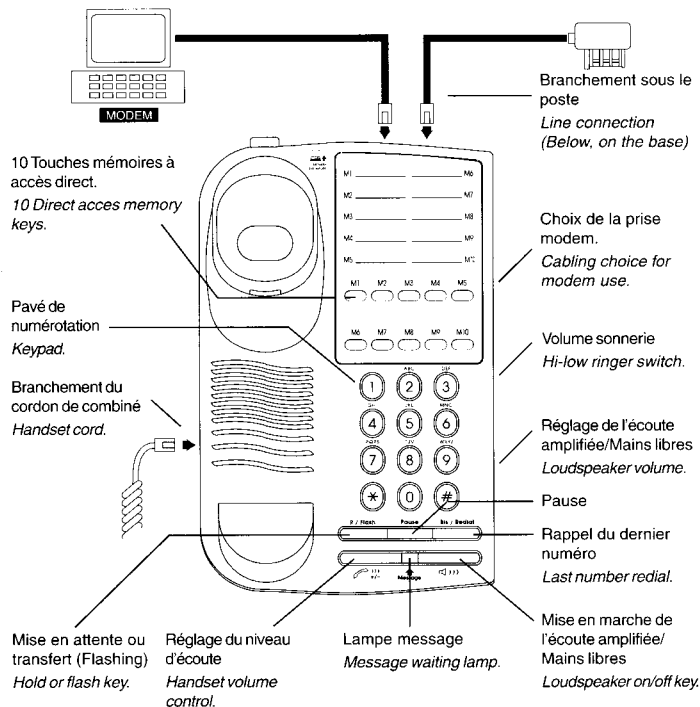
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## 2) RACCORDEMENT ET INSTALLATION / INSTALLATION INSTRUCTIONS.

Le raccordement se fait comme ci-après :

### Accès aux réseaux TRT3 (réseau téléphonique commuté)



**Cet appareil est conforme aux lois européennes en vigueur**

EN 60950 amendements1 à 11.

## 1) INTRODUCTION

BOREAL 10H ML was specially designed to be used in locations where clients or users are not supposed to be able to modify settings or memory codes.

All settings are hidden.

For those reasons, BOREAL 10H ML is perfectly adapted for hotels, hospitals, homes for the older, security departments ...

BOREAL 10H ML features 10 direct access memory keys, amplified speaker, full duplex speakerphone, data port for use with a personal computer on the same line or on a supplementary line and a message waiting lamp.

Settings for this message waiting lamp can be adjusted to various PBXs systems.

Front label can be custom designed to include logo, personalized text and icons for memory buttons.

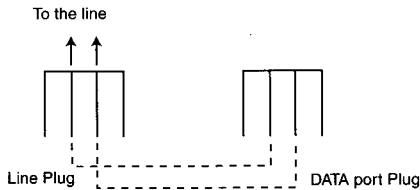
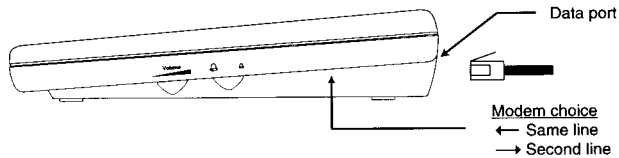
## 3) DIALLING MODE

Tone or pulse dialling can be selected . See "SETTINGS PROGRAMMING" section 12, page 21.

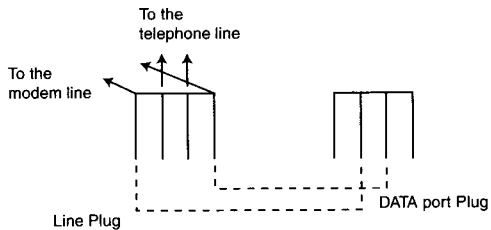
**NOTE :** When dialling is in the pulse mode, depressing key # or \* automatically switches to tone dialling, giving access from a pulse PABX to tone systems. When returning to on-hook, the telephone automatically turns back to pulse mode.

## 4) MODEM CHOICE

A data port is located on the top of the unit. The cabling inside of the telephone allows to choose the data port to be connected directly on the same line as the telephone or on the 2 external wires of the line cord if a second line is available. The selection switch is located in a hole (top right of the telephone) a small screwdriver is requested. When pushed up, same line as the telephone is chosen, when pulled down, second line is chosen.



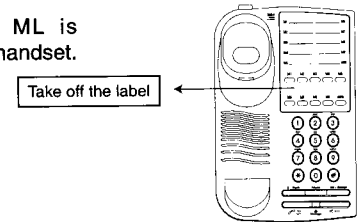
**Same line  
RJ cabling**



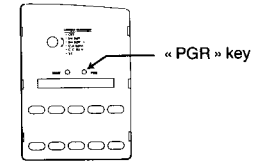
**Second line  
RJ cabling**

## 5) MEMORY PROGRAMMING AND ERASING OPERATIONS

- a) Make sure BOREAL 10H ML is connected to the line. Lift the handset.

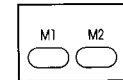


- b) Depress "PGR" key located below the label using a thin screwdriver or a pencil (see drawing). A "beep" sound should be heard through the receiver.



- c) Dial the telephone number to store including \*, # or "Pause" (Pause = 2s) if needed (22 digits maxi).

- d) Press one of the memory locations



A double "beep" sound confirms the right storage. Repeat operations from a) to d) for the 2 other memory locations.

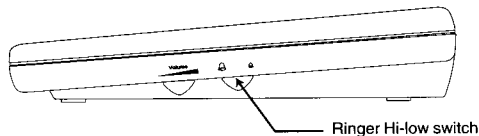
- e) Replace the handset on hook and fix the label.

**NOTE** : In case of wrong operation, a long "beep" sound is emitted. Replace the handset on hook and start again from the beginning.

**NOTE** : If you wish to erase a number stored into a memory, repeat operations from a) to b), skip operation c) (Do not dial anything), choose the memory to erase in section d) and terminate as in section e).

## 6) RINGER

High-low switch is located on the right of the telephone.

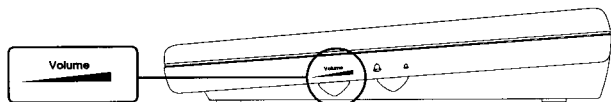


## 7) RECEIVER VOLUME KEY (+/-)

This key increases or decreases the receiver volume in the handset.

## 8) SPEAKERPHONE OPERATION

You can make or receive calls "hands-free" by pressing  $\triangleleft \triangleright \triangleright \triangleright$  button. The indicator lamp will light during speakerphone operation. Adjust the volume of your distant party's voice by using the sliding switch located on the right side of the telephone. Press  $\triangleleft \triangleright \triangleright \triangleright$  button again when the conversation is over.



**NOTE :** Picking up the handset during speakerphone mode will automatically turn off the speakerphone mode and the indicator lamp will be switched off.

You may return to speakerphone mode by pressing  $\triangleleft \triangleright \triangleright \triangleright$  button again when replacing the handset on-hook.

## 9) GROUP LISTENING AMPLIFIED SPEAKER

When the handset is off-hook, pressing the  $\triangleleft \triangleright \triangleright \triangleright$  button will turn on the amplified speaker providing group listening for people around. The indicator lamp will light on.

To turn off the speaker, simply press the  $\triangleleft \triangleright \triangleright \triangleright$  button again. The indicator lamp will be switched off.

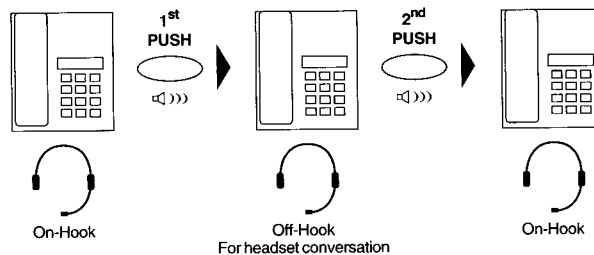
**NOTE :** If you wish to go from group listening mode to speakerphone mode, simply place the handset on-hook during group listening mode without pressing again on  $\triangleleft \triangleright \triangleright \triangleright$  button.

## 10) HEADSET OPERATION

If you wish to replace the handset by headset, see « SETTINGS PROGRAMMING » section 12, page 21.

When the handset mode is selected, the  $\triangleleft \triangleright \triangleright \triangleright$  key can be used to pick up or hang up a call without picking up the handset for more convenience.

Headset should be connected into the handset cord entry on the left side at the back of the telephone.



See "List of settings" section 16 page 24 to select headset mode.

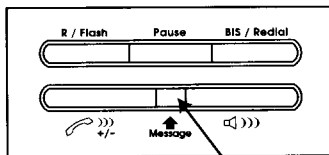
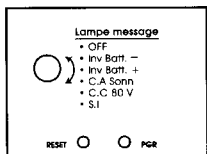
Headset mode	05	2 Beeps	Handset mode : 0	Pgr	2 Beeps
			Headset mode : 1		

## 11 ) MESSAGE WAITING LAMP

Located on the front panel of the telephone, it blinks or lights steadily when a message is waiting for the user.

BOREAL 10H ML message waiting lamp works with most PBXs message systems but must be adjusted before use.

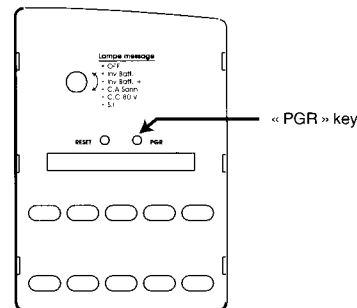
Insert a screwdriver in the "lampe message" hole located below the label. Turn the switch so as to face one of the 4 following choices :



Inv bat = Reversed polarity  
C.A bat = Alternative ringing current  
C.C. 80 V = 80 volts direct current  
SI = Siemens technology

**Note :** Siemens message waiting lamp is an optional setting, which can be installed on request.

## 12) SETTINGS PROGRAMMING



**Note :** BOREAL 10H ML standard factory settings come with :

- Programming access code = 0000
- Dialling = Tone
- Hook-Flash duration = 270 ms
- Pulse mark-break ratio = 66/33
- Access to memory programming = unlocked
- Call barring = unlocked

To change settings, proceed as follows :

- 1) Make sure the telephone is connected to a powered C.O. or PABX line.
- 2) Depress « PGR » key located below the label (a pencil or a thin screwdriver will help)
- 3) While keeping « PGR » key depressed , pick-up the handset .
- 4) Release « PGR » key.
- 5) 2 sharp « beep » tones will confirm entering the settings programming mode.
- 6) Enter the 4 digits programming access code with the keypad (factory pre set code is : 0000)

This code can be modified (see « LIST OF SETTINGS » section 16, page 24).

- 7) If the right code is entered, 2 short « beep » tones will be heard and the access to settings changes will be authorized.  
If a wrong code is entered, a low « beep » tone will be heard and the unit will return to talk mode.
- 8) Enter the 2 digits selected setting access code (see « LIST OF SETTINGS » section 16 page 24)
- 9) 2 sharp « beep » tones confirming the selection will be heard.
- 10) Enter your custom setting choice or the code or number to store.
- 11) Terminate your setting by depressing « PGR » key.
- 12) 2 sharp « beep » tones will confirm the storage of your new setting.
- 13) For other settings, proceed with operations 2 up to 12.

## 13) GENERAL RESET

---

General reset operation erases memories, access code and will return all settings to factory settings and (see « SETTINGS PROGRAMMING » section 12 page 21).

- 1) Make sure the telephone is connected to a powered C.O. or PABX line.
- 2) Depress « RESET » key (located below the label).
- 3) While keeping « RESET » key depressed, pick-up the handset.
- 4) 2 sharp « beep » tones will be heard.
- 5) Release « RESET » key.
- 6) Enter general reset code on the keypad : « 1-5-9 ».
- 7) If the right code is entered, 2 sharp « beep » tones will be heard (Don't hang up the handset).
- 8) Wait several seconds until 3 « beep » tones can be heard, confirming the general reset operation.
- 9) Hang up the handset.

## 14) PARTIAL RESET

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Partial reset operation will return almost all settings to factory settings, but the 4 digits programming access code as well as all numbers stored into memories will be saved (see « LIST OF SETTINGS » section 16 page 24).

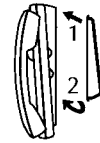
## 15) WALL MOUNTING

---

Insert the wall-mounted bracket at the bottom of the base as shown.



Desk Mounting



Wall Mounting

Align slot hole of wall mounted bracket over the 2 screws. Gently pull down the wall mounted bracket until it is held securely by the 2 screws.

# 16) LIST OF SETTINGS

DECLARATION DE CONFORMITE

Setting	Setting access code	Access confirmation	Setting choices	Press to valid	Valid confirmation
Dialling mode	00	2 «beep»	Pulse : 0 <b>DTMF : 1</b>	Pgr	2 «beep»
Pulse M/B ratio	01	2 «beep»	<b>66/33 ms : 0</b> 60/40 ms : 1	Pgr	2 «beep»
Hook-flash	02	2 «beep»	110 ms : 0 <b>270 ms : 1</b> 600ms : 2	Pgr	2 «beep»
Memories program barring	03	2 «beep»	<b>No : 0</b> Yes : 1	Pgr	2 «beep»
Headset mode	05	2 «beep»	<b>Handset mode : 0</b> Headset mode : 1	Pgr	2 «beep»
Conversation timer	10	2 «beep»	1 up to 9 min, <b>0 no timer</b>	Pgr	2 «beep»
Call barring	20	2 «beep»	<b>No : 0</b> Yes : 1	Pgr	2 «beep»
Barring of 1st digit dialled	21	2 «beep»	Enter the digit to bar <b># No digit barred</b>	Pgr	2 «beep»
Barring another 1st digit dialled	22	2 «beep»	Enter the digit to bar <b># No digit barred</b>	Pgr	2 «beep»
Barring 2 first digits dialled	23	2 «beep»	Enter the 2 digits to bar <b># No digits barred</b>	Pgr	2 «beep»
Barring a second set of 2 first digits dialled	24	2 «beep»	Enter the 2 digits to bar <b># No digits barred</b>	Pgr	2 «beep»
Barring a third set of 2 first digits dialled	25	2 «beep»	Enter the 2 digits to bar <b># No digits barred</b>	Pgr	2 «beep»
Barring a fourth set of 2 first digits dialled	26	2 «beep»	Enter the 2 digits to bar <b># No digits barred</b>	Pgr	2 «beep»
Limitation of the number of digits dialled	30	2 «beep»	01 up to 29 (Enter 01 up to 29), <b>## : no limitation</b> « 00 » no dialling « 99 » dialling possible after memory	Pgr	2 «beep»
Changing the programming access code	40	2 «beep»	Enter the new digits twice <b>*0000*</b>	Pgr	2 «beep»
Reset to factory settings (Memories and access code don't change)	50	2 «beep»	Enter the programming access code (4 digits)	Pgr	2 «beep»

Standard factory settings are shown in **grey**

# Depaepe



SA HENRI DEPAEPE 98, avenue de Stalingrad BP n° 05- 92702 COLOMBES (France)

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Adresse : 98, Avenue de Stalingrad  
Localité : COLOMBES

Téléphone : 0147817122  
Télécopie : 0147841899  
Code postal : 92702

Identification du produit :

- Nature : Terminal de Télécommunications
- Type : Poste téléphonique
- Référence commerciale : BOREAL 10H ML
- Autres informations : Poste bi-bloc 10 mémoires avec mains libres

Déclare sous son entière responsabilité que le produit décrit ci-dessus est en conformité avec les exigences essentielles applicables et en particulier celles de la directive 1999/5/CE) suivantes :

Article 3.1 a : (protection de la santé et de la sécurité de l'utilisateur)  
..... EN 60950

Article 3.1 b : (exigences de protection en ce qui concerne la compatibilité électromagnétique)

..... EN 55022 et EN 55024.

Article 3.3 : (Raccordement au réseau public compatibilité électrique et acoustique)  
..... TBR 37 (21) et TBR 38

Procédure suivie (Annexes) : II