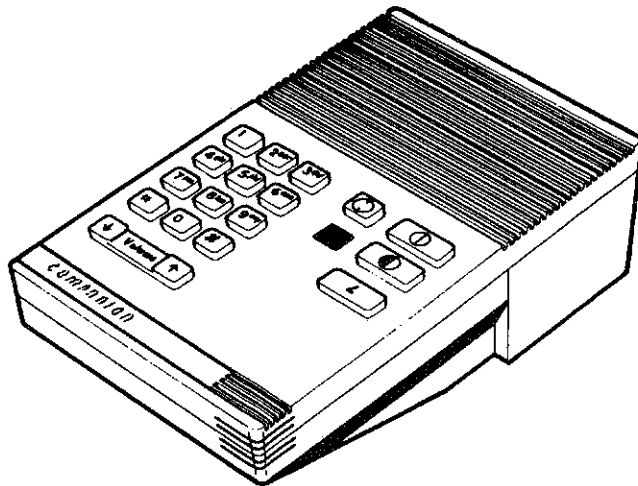


SERIES 8000

UNITY ACCESSORY PRODUCT

COMPANION* 4L HANDSFREE UNIT

User Guide and Warranty



IMPORTANT

This booklet contains easy step-by-step assembly procedures; to ensure trouble-free installation, please follow these instructions carefully.

* COMPANION is a trademark of Northern Telecom Limited






Printed in U.S.A.

P0657742 Issue 2

INTRODUCTION

The COMPANION 4L handsfree unit (NT1L04AA) is designed for use with the UNITY* I and UNITY II telephone sets to permit high-quality, voice-switched handsfree conversation. In operation with the associated telephone set, this compact unit provides the following features:

- Incoming calls received on either the handsfree unit or the telephone set.
- Automatic transfer of calls between the unit and the telephone set.
- On-hook dialing of outgoing calls on the handsfree unit dial pad.
- Automatic cut-off of the unit when the telephone handset is taken off-hook.
- Manual CO line cut-off when the Off button () of the unit is pressed.
- Voice transmission muting when the Mute button () is pressed, with no effect on reception.
- LINK* button () for access to telephone company Custom Calling features or PBX features.
- Rocker-action type volume control.
- On/Off/Mute visual indicator.

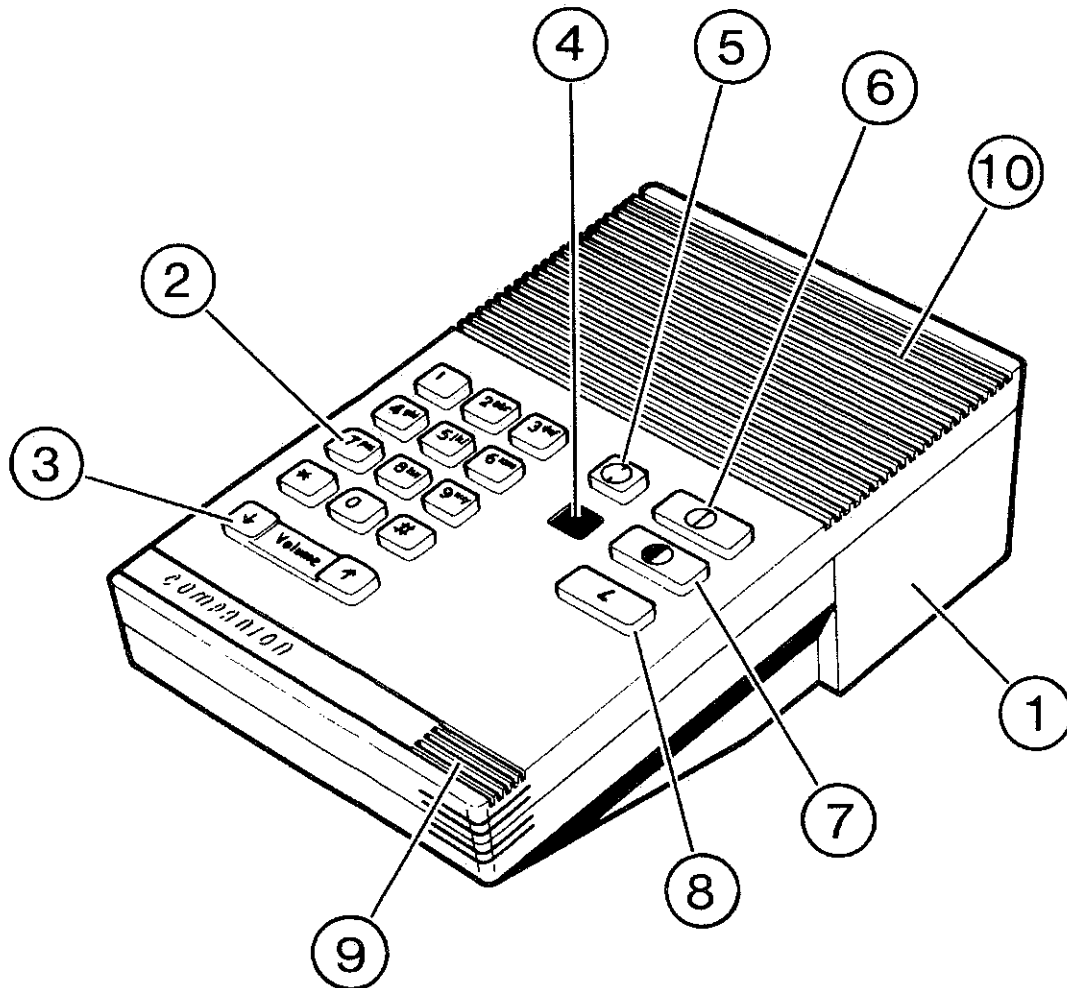
CAUTION: To eliminate the possibility of accidental damage to the cords, plug and jacks, do not use tools or sharp instruments during installation

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OPERATING FEATURES

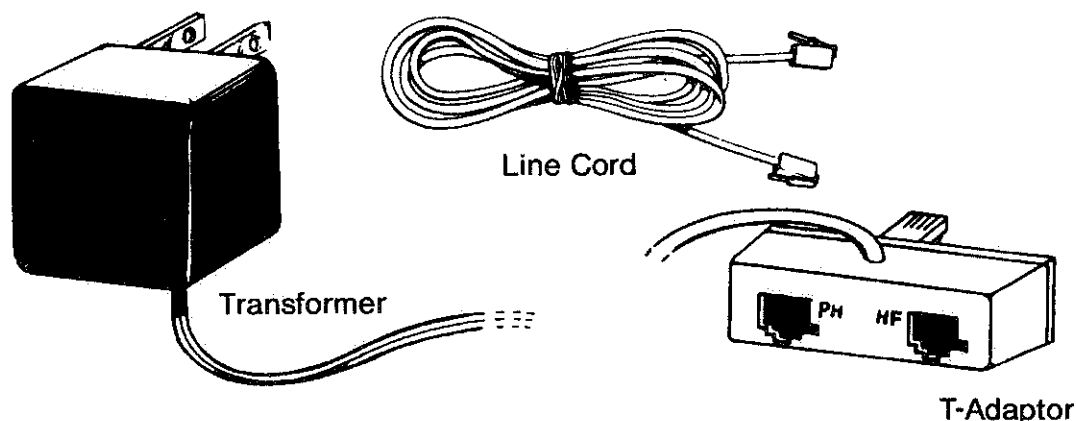
1. Fully Modular Line Cord Connection
2. DIGITONE* Dial
2. Rocker-Action Volume Control Switch
4. On/Off/Mute Indicator Light
5. Off Button
6. On Button
7. Mute Button
8. LINK Button
9. Microphone
10. Speaker



* DIGITONE is a trademark of Northern Telecom Limited

INSTALLING THE COMPANION 4L

COMPONENT IDENTIFICATION. Packed separately within the carton are all components required for complete installation of your COMPANION 4L handsfree unit. Remove each item from its protective packaging before beginning the installation procedure.

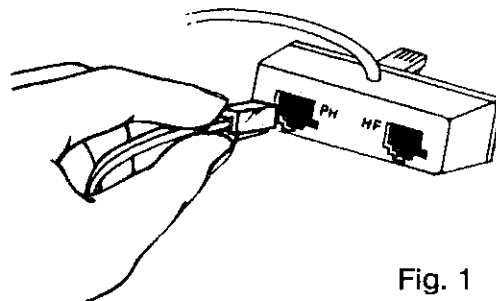


INSTALLATION PROCEDURE

LOCATION GUIDELINES. For best operation the COMPANION 4L should be located on a hard surface (e.g., table, or desk top) and as far as possible from noise sources, such as typewriters. Do not locate the handsfree unit between parallel hard surfaces less than 1.8 m (6 ft) apart, in hard surface corners or under low, hard surfaced shelves less than 610 mm (2 ft) in height. In addition, the front edge of the unit should be at least 51 mm (2 in) from the edge of the desk or table top, and no obstacles should be placed close to the microphone.

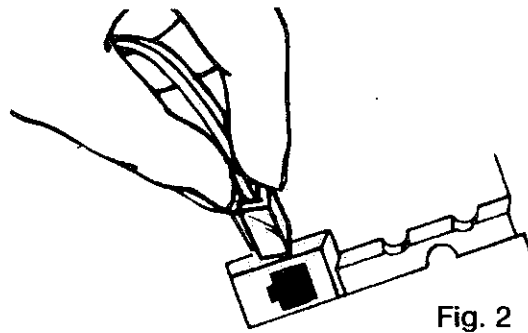
STEP 1

- Carefully insert the line cord plug from the single line telephone set into the T-adaptor jack marked PH (Fig. 1). Ensure that the plug is properly seated (audible click) and installed in the correct jack.



STEP 2

- Carefully insert the plug at either end of the COMPANION 4L line cord into the jack in the base of the unit (Fig. 2). Ensure that the plug is properly seated (audible click) and installed in the correct jack. Route cord under tabs in cord channel; continue fitting cord to edge of base.



STEP 3

- Insert the plug at the other end of the COMPANION 4L line cord into the T-adaptor jack marked HF (Fig. 3). Ensure that the plug is properly seated (audible click) and installed in the correct jack.

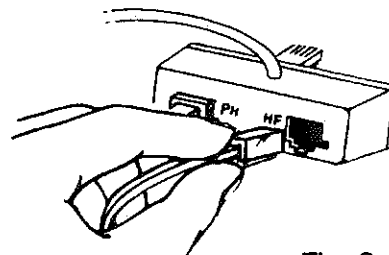


Fig. 3

STEP 4

- Plug the T-adaptor into the wall jack receptacle (Fig. 4).

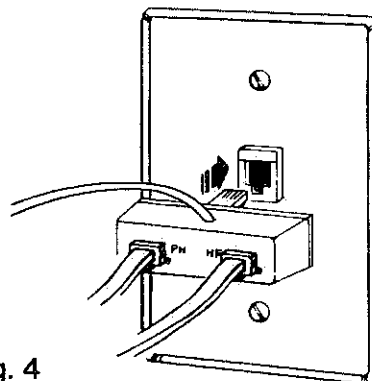


Fig. 4

STEP 5

- Plug the power transformer into an electrical outlet (Fig. 5).

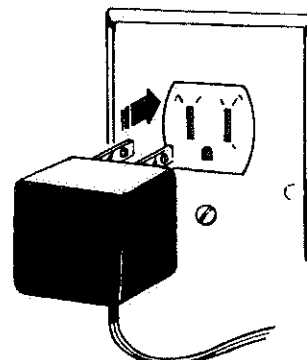



Fig. 5

OPERATIONAL CHECKS

1. **DIAL TONE.** Depress the On button. Dial tone should be heard and the red indicator LED should light. If no dial tone is present, ensure that all plugs are properly connected to the correct jacks. If dial tone is still not present the wall jack may be wired improperly or the line may be out of order.
2. **PLACING A CALL.** If a call cannot be originated using the COMPANION 4L, check with the telephone company to verify that the line will accept tone-type signaling.
3. **RINGING.** The COMPANION 4L is not equipped with a ringer, and therefore any audible signaling must come from the associated telephone set. If calls can be originated on the telephone set but it fails to ring for incoming calls, contact the telephone company.

OPERATION

1. **On/Off/Mute LED Indicator.** A LED indicator light, located on the right side of the COMPANION 4L face, below the Off button, is lit when the unit is on, goes out when the unit is off and flashes when the unit is muted.

2. **On Button.** Depressing the On button () activates the unit. When operated (Fig. 6), dial tone is heard and the red LED indicator lights.

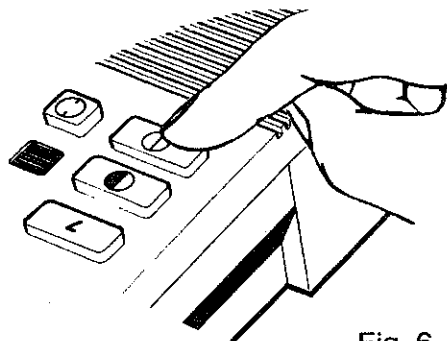


Fig. 6

3. **Dial Keypad.** The dial keypad is located on the front face of the unit (Fig. 7); this dial operates with tone service only. When the COMPANION 4L is turned on, the dial on the associated telephone is disconnected and all dialing must be done from the handsfree dial keypad.

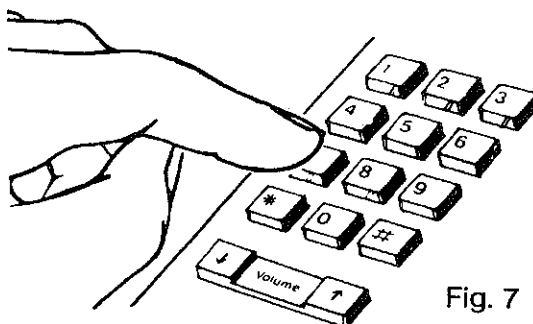




Fig. 7

4. **Volume Control Switch.** This is a rocker-action switch, located on the face of the unit below the dial keypad. To lower the speaker volume, touch the left side of the switch () repeatedly until the desired level is reached (Fig. 8). Touch the right side of the rocker switch () to increase the volume. The COMPANION 4L must be on to adjust the volume.

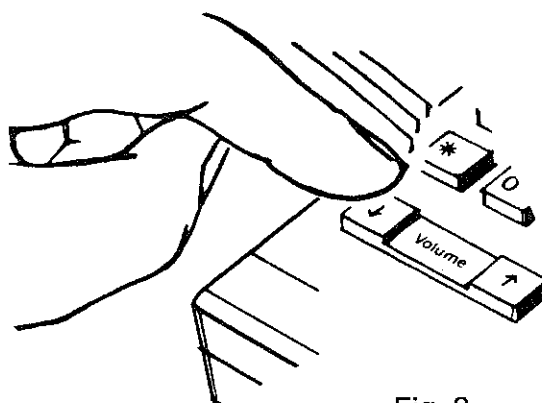



Fig. 8

5. **Mute Button.** The Mute button () is located on the right side of the unit (Fig. 9). Operating this button enables the user to converse privately with a third person without the called party hearing the conversation. The user can, however, hear the called party.

Note: It is not necessary to hold the Mute button depressed; a single operation is sufficient. When the mute feature is operational the red LED indicator flashes. To resume normal conversation, depress the On button. The LED indicator stops flashing and returns to a steady on condition.

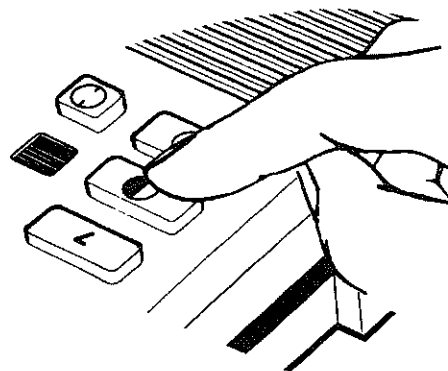



Fig. 9

6. **Off Button.** The Off button (), located above the indicator light turns the handsfree unit off (Fig. 10). When operated the red indicator light goes out.

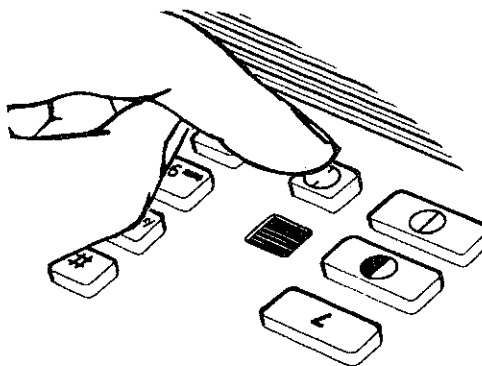



Fig. 10

7. **LINK Button.** This button (), located below the Mute button (Fig. 11), is pre-programmed to provide a timed line break (400-600 ms). Operating this button accesses telephone company Custom Calling features or PBX features.

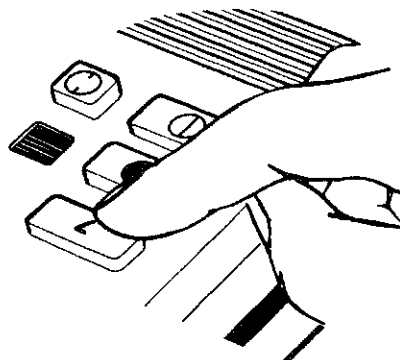


Fig. 11

TRANSFER FUNCTION

FROM COMPANION 4L TO TELEPHONE SET

If the user wishes to transfer from the COMPANION 4L to the handset for privacy during a conversation; this can be accomplished by lifting the telephone handset. The call is automatically transferred to the telephone set and the red LED indicator goes off.

FROM TELEPHONE SET TO COMPANION 4L

When a call is in progress using the telephone handset and the user wishes to transfer to the COMPANION 4L, press the On button (①) on the handsfree unit then place the handset on-hook and continue the conversation using the handsfree unit.

Note: When the COMPANION 4L is on, the dial and feature buttons of the associated telephone set cannot be used. If the user wishes to retain telephone set features, such as automatic dialing, place the call using the telephone set and then transfer to the COMPANION 4L when ringing occurs.