500AM Headset Adapter

Introduction

The 500AM Headset Adapter provides enhanced headset connectivity with business telephone sets equipped with an Adjunct jack. This headset adapter allows you to place, answer, and end calls without lifting the telephone's handset.

In addition to this basic functionality, the 500AM Headset Adapter accommodates directly connected headsets (that is, connected with a Modular Plug rather than a Plug-Prong input adapter) which can be routed to external audio equipment while the terminal is on-hook.

The 500AM allows headset connection to those digital and ISDN voice terminals which have an Adjunct jack:

- **Telephones/Voice terminals used with a DEFINITY® Enterprise Communications Server (ECS), DEFINITY Communications System, System 75, and System 85, which include the 7100 Series, 7200 Series, 7400 Series, and 8400 Series DCP sets, and the ISDN 6500 Series, 7500 Series, and 8500 Series sets.**
- **ISDN sets used with a 5ESS® switch such as the 6500 Series, 7500 Series, and 8500 Series sets.**

Note: **The 7404 and 7407 sets may not have a connection available for the adapter.**

The 500AM adapter is not compatible and cannot be used with the 7300 Series ATL or 7700 Series MERLIN® voice terminals.

Features of the 500AM Headset Adapter

General Information

The 500AM Headset Adapter has been designed with the following features:

- **One-touch switchhook control with a green status indicator**
- **One-touch headset microphone mute control with a red status indicator**
- **High quality direct headset interface with receiver volume control**
- **Plug-prong headset adapter interface which can be used simultaneously with direct headset while the telephone and headset are off-hook**
- **Audio interface between direct headset and external audio equipment while the telephone and headset are on-hook**

Compatible Headsets

The 500AM Headset Adapter can be used with any Lucent Technologies Universal headsets terminated with quick-disconnect (QD) connectors.

The Front of the 500AM

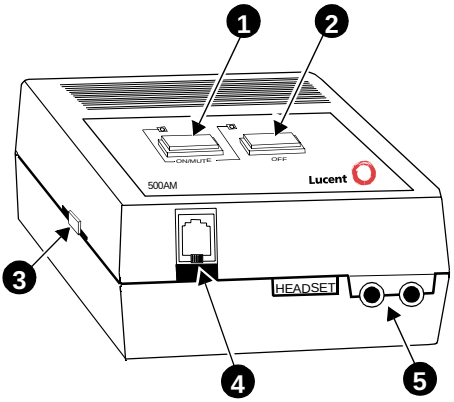

Figure 1. The 500AM Headset Adapter, Front View

1	**ON/MUTE button**	**With one touch, this button turns on the adapter power and places the telephone off-hook. While the telephone is off-hook, this button functions as a microphone mute control. (Pressing the button again, while off-hook, turns off the Mute function.)**
2	**OFF button**	**With one touch, this button turns off the adapter power and places the telephone on-hook.**
3	**Volume control**	**The slide volume control adjusts the receive volume for direct headsets while off-hook.**
4	**Direct headset input**	**This 4-pin modular jack is used for connecting compatible headsets. The headset is switched to SPKR and MIC jacks when the telephone is on-hook. (See 7 and 8 in Figure 2 for the location of these two jacks.)**
5	**Plug-prong headset adapter input**	**This jack is used for connecting a plug-prong headset adapter.**

The Rear of the 500AM

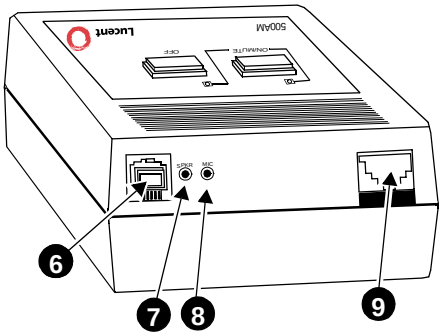

Figure 2. The 500AM Headset Adapter, Back View

6	**Feature jack**	**Expansion port for future accessories**
7	**SPKR jack**	**This jack connects to the direct headset speaker when the telephone is on-hook.**
8	**MIC jack**	**This jack connects to the direct headset microphone when the telephone is on-hook.**
9	**Adjunct interface**	**This jack connects the adapter to the Adjunct jack on the telephone.**

Package Contents

500AM Headset Adapter Package Contents

The 500AM Headset Adapter package contains the following items:

- **The headset adapter**
- **An 18-inch adjunct cord**
- **A 6-foot modular headset cord with quick-disconnect connector**
- **This instruction manual**

Audio Interface Kit Contents

An Audio Interface Kit of parts is also orderable; use Comcode 408118149. This kit contains the following:

- **Two 6-foot 3.5 mm stereo cables**
- **A 7-foot adjunct cable**

Power Requirements

The 500AM Headset Adapter requires that the telephone be supplied with auxiliary power. However, note that, if there is auxiliary power already connected to the telephone, as in the case of some display terminals, no other auxiliary power is required. For this product, auxiliary power must be at telecommunication circuit power level and be supplied by either a local or a remote power supply. Recommended power supplies are:

- **Lucent Technologies 1151A1 local Power Unit or the 1151A2 local Power Unit with Battery Holdover**
- **Lucent Technologies 1145A or 1145B remote Bulk Power Supply**

Other approved power supplies are:

- **Lucent Technologies MSP-1 local Power Supply**
- **Lucent Technologies KS22911 L1 or L2 local Power Supply**

Installing the Headset Adapter

Use the following procedures to connect the headset adapter to the telephone. For a full installation diagram of all components, see Figure 3.

1. **Place the headset adapter (shown as 3 in Figure 3) near the telephone (7) to which it will be connected.**
2. **Connect the headset in the following manner:**
   - a. **To install a direct headset, plug the quick-disconnect (QD) connector (5) on the headset into the QD connector on the supplied modular cord. Insert the modular plug (4) into the direct headset interface on the front left of the 500AM Headset Adapter.**
   - b. **To install a headset with an external Plug-Prong adapter, plug the QD on your headset (5) into the QD of the Plug-Prong adapter. Insert the Plug-Prong adapter (4) into the Plug-Prong headset interface jack on the front right of the 500AM Headset Adapter.**

Note: **Headsets in *both* the Modular and Plug-Prong adapter interfaces can work simultaneously such as for the supervisor monitoring option often used in a Call Center environment.**

3. **Plug one end of the D8AC modular cord into the keyed Adjunct interface on the back of the adapter.**
4. **Plug the other end of the D8AC modular cord into the jack labeled Other, Adjunct, or (speaker) on the bottom of the telephone (6).**
5. **Connect the D8W cord from the bottom of the telephone (8) to the small white 400B or 400B2 adapter (9). Plug the 400B or 400B2 adapter into the DCP wall jack. Connect the D6AP cord to the power supply (10) and plug the power supply into the AC wall outlet.**
6. **Install the direct headset external audio interface using 3.5 mm stereo cables (2) supplied with your Audio Interface Kit. Connect the SPKR and MIC ports on the 500AM to the headphone output and microphone input ports, respectively, of your external audio equipment (1).**

⚠ CAUTION:

When the telephone is on-hook, the direct headset is connected directly to any installed external audio devices. Care should be taken in setting the headphone output and microphone input levels on these devices for comfortable listening and sufficient speech transmission with the headset.

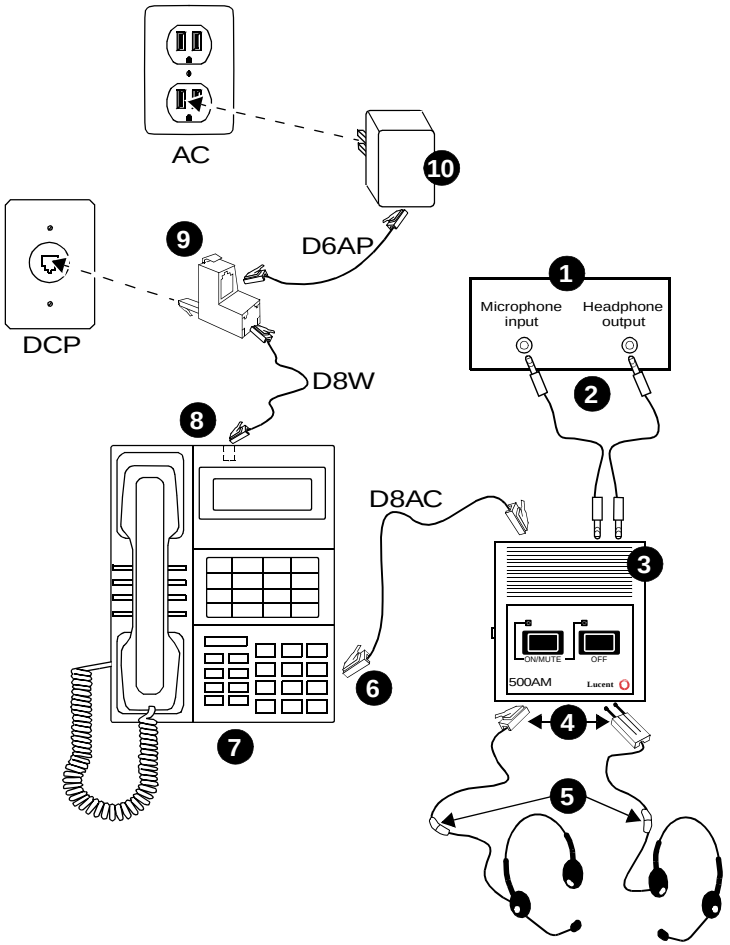

Figure 3. Connecting the Headset Adapter to Your Telephone

Using the Headset Adapter

Follow these instructions to operate the headset connected to your 500AM Headset Adapter.

To place a call

1. **Press the adapter ON/MUTE button.**
2. **Dial the number on the telephone keypad.**

To answer a call

Press the adapter ON/MUTE button.

To end a call (and route your direct headset to external equipment)

Press the adapter OFF button.

To switch from handset to headset

1. **While you are active on the handset, press the adapter ON/MUTE button.**
2. **Hang up the handset.**

To switch from headset to handset

1. **Pick up the handset.**
2. **Press the adapter OFF button.**

To mute the headset so that the other party cannot hear you

Press the ON/MUTE button.

- **The red Mute light goes on.**

To turn off the mute function and resume conversation

Press the ON/MUTE button again.

- **The red Mute light goes off.**

⚠ CAUTION:
If you press the OFF button, you will disconnect the current call.

To raise or lower the direct headset listening level

To raise the volume, slide the volume lever upwards, away from you; to lower the volume, slide the volume lever downwards, toward you.

Note: **While the telephone is on-hook, listening levels must be adjusted at the external audio equipment, not on the headset adapter or on the telephone.**

When using the plug-prong headset interface, set the volume control to the minimum level and then adjust the listening level on the external adapter.

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