

VOICE ACTIVATED TELEPHONE DIALER

MODEL: U - PHONE



A word from us	3
About this manual	3
Chapter One	4
Installing	4
Adding names & numbers	4
Training vocally with commands (digits):.....	5
Voice dialing	6
Erasing a single name.....	7
Erasing all names	8
Playback of all names	8
Chapter Two	9
Dialing a number during a call.....	9
Working with a Speakerphone	10
Working with the speakerphone	10
Working with a PBX	11
Changing the spoken language.....	11
Chapter Three	11
Frequently Asked Questions	12
Technical Specifications	13

A word from us

U Phone II is the new successor in the U Phone line of products. Years of experience, market feedback, and use of the latest voice-recognition technology have enabled us to build the most advanced voice-recognition phone dialer in the world. We appreciate your trusting us by purchasing this product, and we wish you a long and enjoyable experience with it.

Voice recognition is breaking new ground every day and is being used in more and more everyday appliances and devices. But we ask you to keep just one limitation in mind when using U Phone: The machine cannot hear better than we do. It cannot understand the human voice when loud noises are present. Sometimes it even needs to hear something twice, just as we do. With this in mind, we are confident that you will use U Phone successfully!

Here are the new features that were not present in earlier versions

- High-quality name recording and playback.
- Missing-line detection and audio warning.
- 45 digits per number to allow for all international and/or calling-card based numbers.
- Menu-based microphone sensitivity setting (headset/speakerphone).
- A prefix digit and delay can be easily added or removed from all numbers (at once) to enable, and wait for, outside line access.
- During a call, voice dialing can be activated again. This feature enables you to use the dialer in online banking services, etc.
- Menu-based language selection.
- Menu-based mode change to allow to work independently or coupled to a speaker phone, for a totally hands-free telephone system.
- Remote online support using the telephone line.

About this manual

This manual is divided into three main chapters:

- Chapter One describes how to install, add names, erase a name or all names, listen to stored names and, most importantly, dial a name using only your voice!
- Chapter Two describes how to dial a number during a call, work with a speakerphone, work when connected to a Private Branch eXchange (PBX), and change the spoken language.
- Chapter Three answers Frequently Asked Questions, and provides technical details, important notices, and warranty information.

Chapter One

This chapter describes how to install, add names, erase a name or all names, listen to stored names, and, most importantly, dial a name using only your voice!

Installing

install it by following these three steps:

- A. Connect the supplied power adaptor to the AC wall outlet and to the jack marked 'Power'. When the power is applied, you should see two bright blue lights light up, one on the 'phone' jack and the other on the 'line' jack of the unit. They indicate that the power is ON. If you do not see these lights, please see the 'Frequently Asked Questions' section in Chapter Three for assistance.
- B. Connect the modular cord from your telephone to the jack marked 'Phone'.
- C. Connect the supplied modular cord from the jack marked 'Line' to the modular phone jack on your wall.

That's It! U Phone is now ready to be used.

Adding names & numbers

Once U Phone is connected, you can start adding names. Please follow these steps:

- A. Make a list of the names and numbers you wish to add. This list is important because it will simplify training. Consider these tips:
 - Do not use very short names like 'Joe'. Instead, use both first and last names.
 - If two names are very similar (first name, or last names, are the same in both names), try training one of the names in reverse order.
 - B. Choose a quiet moment, when no TV sounds or other background noises are present. Training the unit in a noisy environment will result in poor recognition later.
 - C. U Phone is shipped with a blank memory. Pick up the handset. The unit will play back the main menu. Press '1' to add a new name.
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5

- D. When asked, say the name to be added. Speak clearly but as normally as possible. When prompted to repeat the name, do so. If the training of the name has been successful, U Phone will ask you for the corresponding phone number. If the training has failed, it will issue a sound that means a general error has occurred, or it will state the specific problem that has occurred.
- E. When prompted, enter the number using your phone's keypad. You can enter up to 45 digits. You can program pauses (3 seconds each) within the phone number (to be used by calling cards or other advanced services) by pressing the star key (*) twice. Press the pound key (#) when you are done entering the number. It will read back the phone number you have just entered and then will store the name and its number.
- F. It will automatically ask you for the next name. If you do not wish to continue, simply hang up or press the pound key (#) to get back to the main menu.

Training commands (digits)

- A. Choose a quiet moment, where no TV sounds or other background noises are present. Training the unit in a noisy environment will result in poor recognition rates later on.
- B. Pick up the handset. If you have already trained with names, you will hear the prompt "*name to dial please*". Press the # key following this prompt. If you did not train it with names yet, you will hear the main menu. Press '5' to train the commands.
- C. It will now ask you to say the ten digits and star. You will need to say each digit twice. After each digit, you will hear a playback of the digit you just said. Move on to the next digit.
- D. Once all digits have been trained, it will ask you to train the dialing command. This can be any word you wish but 'Dial Number' is always a good choice.

Voice dialing

That's all! U Phone is now ready to listen to your voice and dial for you. Please follow these easy steps to dial:

- A. Pick up the handset. If you have already trained U Phone with names, it will ask you for name to dial. If you have trained it only with digits, it will ask you for a number to dial. At the prompt, say the name you wish to call or the first digit of the number you wish to voice dial.
- B. If you said a name, U Phone will playback the recognized name and will dial the corresponding number. If U Phone did not recognize the name, you will be asked to try again.
- C. If you said a digit, U Phone will respond with reading you back the digit it recognized and will now wait for your next digit. Continue by saying the digits of the number in this method. When you are done, say the dial command. U Phone will now say 'Dialing...' and will repeat the digits you have just said. Please listen to the read digits and verify they are the digits you said. In case U Phone makes a mistake, simply hang up. If all the digits are correct, U Phone will dial the number.
- D. At the end of the call, simply hang up as you always do.
- E. If you wish to redial the last number you said using digits, simply say the dial command without any digits.

Please also note these following general important remarks:

1. You can disconnect U Phone from AC power whenever needed, without concern. The names and numbers will not be lost, and your phone will continue to operate normally. The same applies for a power outage.
2. If you are using a cordless phone, please verify that the sound on the line is 'clean' with no 'white' noises. These 'white' noises, usually occur when the mobile part of the cordless phone is far from its base. Such noises can make it difficult for U Phone to recognize names.
3. To access the main menu, once memory has at least one name stored in it, do the following:
 - a. Pick up the handset.
 - b. After U Phone prompts you for a name to call, press the pound key (#).

4. If you would like to dial a number manually, do the following:
 - a. Pick up the handset.
 - b. After prompts you for a name to call, press any of the dialing keys except the pound key (#). will connect you directly to the telephone line so that you can dial manually.
5. U Phone is based on speaker-dependent voice-recognition technology. This means that only the person who trained U Phone can use it. However, two or more users can share U Phone. Each user can store his/her own names and numbers, and then can call them independently.
6. U Phone works only with the phone plugged into it, and not with other phones on the same phone line. U Phone will recognize names best if the phone used for training continues to be the one used with U Phone. Substituting another phone for the one used for training can lead to poor recognition results. Multiple copies of U Phone can be used on the same phone line, each working independently with the phone to which it is connected.

Erasing a single name

Erasing a single name from memory can be accomplished in two different ways, as described below:

Method 1:

- A. Pick up the handset. U Phone asks for a name to call. Press the pound (#) key. The main menu will be played.
- B. Press the '2' key. U Phone asks for a name to erase. Say the name you wish to erase.
- C. If the name is found, U Phone asks you to confirm the erasure of the name by pressing the '5' key. [Any other action (for example, hanging up) will cause the name not to be erased.]
- D. Press the '5' button. The name will be erased and U Phone will return to the main menu. If this was the last name remaining in memory, a 'Memory Empty' prompt and a sound will be heard.

Method 2:

- A. Pick up the handset U Phone asks for a name to call. Press the pound key (#). The main menu will be played.

- B. Press the '4' key. U Phone will start playing back the names it has stored in its memory.
- C. When you hear the name you wish to erase, press any of the dialing keys, except the pound key (#). U Phone asks you to confirm the erasure of the name by pressing the '5' key. [Any other action (for example, hanging up) will cause the name not to be erased.]
- D. Press the '5' button. The name will be erased and U Phone will return to the main menu. If this was the last name remaining in memory, a 'Memory Empty' prompt and a sound will be heard.

Erasing all names

Warning: Erasing all names is an irreversible operation. Use it with care!

- A. Pick up the handset. U Phone asks you for a name to call. Press the pound key (#). The main menu will be played.
- B. Press the '3' key. U Phone will prompt you with a warning message.
- C. Press the '9' key to confirm the erasure. Any other action (for example, hanging up) will cause the names not to be erased.
- D. Press the '9' button. All the names will be erased, and a 'Memory Empty' prompt and a sound will be heard. U Phone will then return to the main menu.

Playback of all names

Whenever needed, you can hear all the names and numbers stored in U Phone's memory by following these steps:

- A. Pick up the handset. U Phone asks for a name to call. Press the pound key (#). The main menu will be played.
- B. Press the '4' key. U Phone will playback all the stored names. Press the pound key (#) or hang up to finish the playback. Press any other dialing key to erase the played name. See the section entitled "Erasing a single name" above for more details.

Chapter Two

This chapter describes how to dial a number *during* a call, work with a speakerphone, enable U Phone to work when connected to a Private Branch eXchange (PBX), and change the spoken language.

Dialing a number during a call (currently works only with the US / UK languages selected)

While in a call, you can activate the name-dialing or digit-dialing function again in order to transmit DTMF tones needed for online banking services, calling cards, etc. To activate this feature, do the following:

- A. Pick up the handset. U Phone asks you for a name to dial. Say the name you wish to dial. U Phone dials that name.
- B. While in the call, stay silent for a second (make sure the other party is silent as well), and say "activate dialing".
- C. U Phone will now engage again and will ask you for a name to dial. Say the name you wish to dial during the call. U Phone will transmit the number to the line.
- D. If you wish, you can repeat this process over and over again. Simply return to step B above.
- E. You can also say digits, and U Phone will transmit your digits to the line. Once you say the first digit, you can continue and say more digits, without the need to say "activate dialing" between each digit.

Example: Say you wish to access your account status using your bank's automatic telephone service. You can store your bank telephone number under the name "bank", your account number under the name "account", and your pin code under the name "pin".

Then voice dial to your bank; and, when asked to punch in your account number, simply say "activate dialing". U Phone will ask you for a name to dial. Say the name "account", and U Phone will transmit the tones of your account number to your bank. Then, when asked to punch in your pin number, say "activate dialing" again followed by the name "pin". This method can be used in other situations that require dialing a number during a call.

Working with a Speakerphone

U Phone can be connected and used with a speakerphone. Since working with a speakerphone usually means that the voice signal level coming from the user will be lower than when working with a handset, it is recommended (but not mandatory) that you change 's microphone mode by following these steps:

- A. Pick up the handset. If names are stored, U Phone asks you for a name to call. Press the pound key (#).
- B. While hearing the main menu, press the '7' key to toggle between 'handset mode' and 'speakerphone mode'. Select 'speakerphone mode'.

Working with speakerphone

U Phone has a unique operational mode, called "Basic" which is specifically designed to work with speakerphone. In this mode, after you press the speakerphone button (or pick up the handset), U Phone will silently wait for the pound key (#) to be pressed. Only after that key has been pressed will U Phone resume normal operation, such as asking for a name to dial or reading the menu. This pound key (#) will be transmitted from Speakerphone Follow these easy steps to activate the "Basic" mode:

In U Phone

- A. Pick up the handset. If names are stored, U Phone asks you for a name to call. Press the pound key (#).
- B. Upon hearing the main menu, press the '9' key to toggle between 'Basic mode' and 'Freedom mode'. Select 'Basic mode'.

In Speakphone

- A. Follow the manufacturer's instructions on how to set up the Speakerphone make sure that the phone, the remote control, and any other optional accessories work. Be sure to turn off the scan feature,
- B. Program only the first memory location with a single pound key (#).

Now connect ; as described in Chapter 1 of this manual for any other telephone.

To place a call, give the remote control a short press and wait for U Phone to ask you for a name to call. To end the call, press the remote control again.

Working with a PBX

There are situations where U Phone is not connected directly to a phone line, but rather to a Private Branch eXchange (PBX). A good example is a nursing home. To get an outside line, one usually needs to dial a prefix digit, such as 9, and only then dial the actual number. If there is a need to set a prefix digit for all the stored numbers (as when moving from a private residence to a nursing home), do the following:

- A. Pick up the handset. If names are stored, U Phone asks you for a name to call. Press the pound key (#).
- B. Upon hearing the main menu, press the '8' key. U Phone will now ask you to set the digit that will serve as the external line access digit. Press the desired digit. To abort this feature, press the star key (*).

Changing the spoken language

In order to change the language that U Phone uses, do the following:

- A. Pick up the handset. If names are stored, U Phone asks you for a name to call. Press the pound key (#).
- B. Upon hearing the main menu, press the '0' key to enter the language menu. Listen, and press the digit that represents your desired language.

Technical Specifications

Data	Value
Operating voltage	12 Volts DC, regulated.
DC Jack type	2.1 mm, polarity un-important
Maximum power consumption	850milliwatts
Phone/ Line jack type	RJ11
Dialing Method	DTMF (Dual Tone Multiple Frequency)
Maximum number of names to be stored	45
Type of memory device	Flash
Max number of digits per name	45
Max name record/playback length	3 Seconds
Minimum Data retention time	15 Years
Weight (No power supply or cables)	120 Grams (0.265 pound)
Physical Dimensions	134mm (5.276") in length, 65mm (2.559") in width and 23mm(0.906") in height.
Working Temperature	0-70 Celsius (32-158 Fahrenheit)
	ACTA part 68, FCC part 15 subpart B, ETSI ES 203 021-2 V2.1.2 (2006-01)

