

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.
2. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
4. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
5. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
6. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
7. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in the risk of fire or electric shock. Never spill liquid of any kind on the product.
9. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
10. Unplug this product from the wall outlet and refer servicing to qualified personnel under the following conditions:
 - a) When the power supply cord is damaged or frayed.
 - b) If liquid has been spilled into the product.
 - c) If the product has been exposed to rain or water.
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - e) If the product has been dropped or the cabinet has been damaged.
 - f) If the product exhibits a distinct change in performance.
11. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
12. Do not use the telephone to report a gas leak in the vicinity of the leak.
13. This product has user-replaceable batteries, therefore replace batteries as described in the User's Guide. Do not burn or puncture used batteries. Replacement for your ClipFone batteries can be obtained from your authorized local dealer. ClipFone battery.....

ASTRALINK N144280

PLEASE SAVE THESE INSTRUCTIONS!

FCC ID: MSUCF8000A

NOTICE

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FCC REGISTRATION

This device complies with Part 15 and Part 68 of the FCC rules. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operations.

LIMITED WARRANTY

What is covered:

Any defect in materials or workmanship for a period of 12 months from the date of purchase.

Limitations:

Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the product is fit for ordinary use), are limited by terms and conditions stated below. Loss of time, inconvenience, loss of use of your ClipFone product, or property damage caused by your ClipFone product or its failure to work, or any other incidental or consequential damages will not be paid for.

What this warranty does not cover:

This warranty does not cover defects resulting from accidents, damage while in transit to our service location, alterations, unauthorized repair, failure to follow instructions, misuse (including broken antenna), fire, flood, and acts of God. Nor do we warrant your ClipFone to be compatible with any particular telephone equipment or party line, key telephone systems or more sophisticated customer premises switching systems. Call your dealer for advice or further information.



Note

The base unit of the ClipFone must be connected to a working electrical outlet. Calls cannot be made from the handset if the base unit is unplugged or switched off, or if the electrical power is interrupted.

OVERVIEW

IMPORTANT INFORMATION

Operating range depends on a variety of factors, such as the weather, the construction and layout of your home, etc. Aluminum siding and foil-backed insulation may limit operating range. Fluorescent lights and some appliances such as microwave ovens and baby monitors are also liable to cause interference. For clearest reception:

- Plug your ClipFone unit into an AC power outlet that is not on the same circuit as one used by radio, hi-fi, television, or computer equipment.
- Do not install the base unit close to electronic equipment such as microwaves, TV's, computers, answering machines or baby monitors.
- Always keep the antenna on the base unit fully extended.
- If you hear noise or interference during a call, press the CHANNEL button on the handset to select another channel. If the noise is very loud, move closer to the base before changing channels.
- Reception may improve significantly if you install the base on an upper floor.

PRIVACY OF COMMUNICATION MAY NOT BE ENSURED WHEN USING THIS PHONE

Note that the very features that make a cordless phone so convenient create certain constraints. Telephone calls are transmitted between the base and the handset by radio waves, so there is the possibility that your phone conversations could be intercepted by radio receiving equipment within range of your handset. This means that there is a possibility of private conversations being overheard.

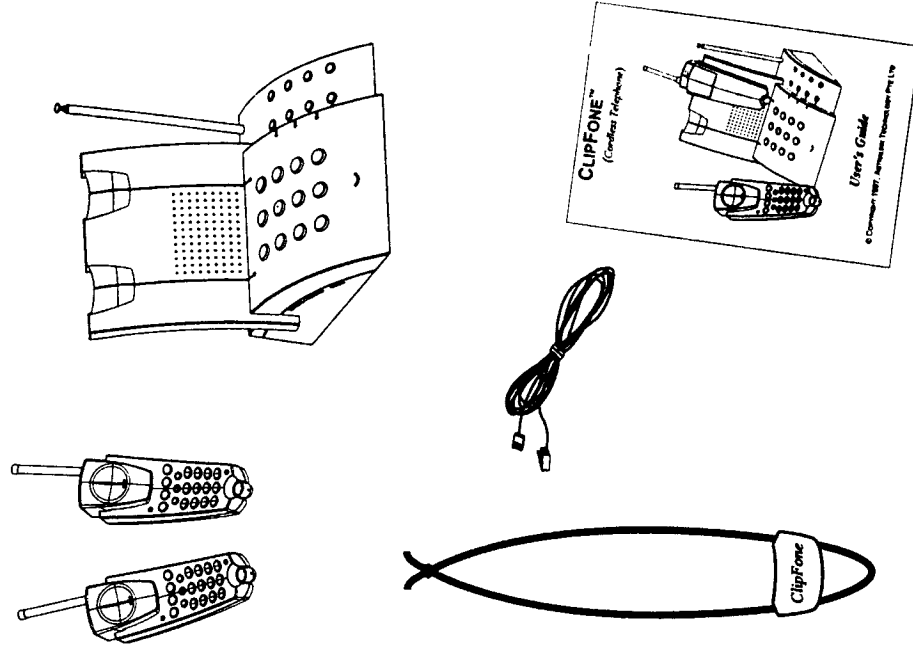
There is a 16-Bit pseudo-random security code generated by the MCU to handset when handset is cradled to base. This is to prevent any unauthorized calls through your base unit.

PACKAGE CONTENTS

Your ClipFone 8300 should contain the following items:

- Base unit
- AC adaptor
- Handsets x 2.
- Rechargeable Battery Pack x 2.
- Telephone cord.
- This User's Guide (read thoroughly)

Figure 1 - Package contents



Note

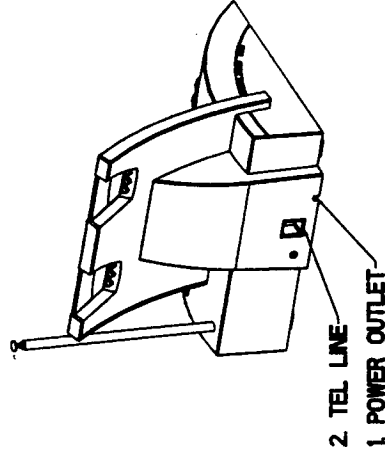
Keep your sales receipt in a safe place in case you ever need warranty service. You should also save the carton and packing material for storage or shipping purposes.

INSTALLATION

To install and use your ClipFone unit, you need to have a telephone connection. To install the base unit, follow the steps outlined below:

The Base

1. Carefully unpack your ClipFone. Place the base unit on a flat surface. Make sure that the telephone jack is within accessible distance of the base unit.
2. Connect one end of the telephone cord, provided in the package, to the phone jack on the base unit.
3. Connect the other end of the telephone cable to the telephone jack on the wall.
4. Plug the AC adapter into a standard electrical outlet, but do not cradle the handsets on the base yet.

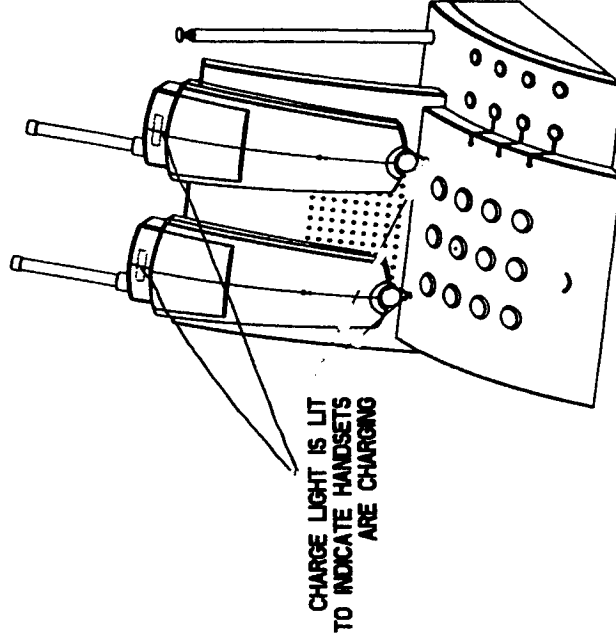


Connecting your ClipFone

6. The default setting for the RINGER is ON.
7. Set the Dial Mode Switch. If your local phone company provides touch tone service, you should set the dial mode switch to TONE (touch tone). If you are not sure which service you have, check with the phone company.
8. Press the PHONE button, and check for a dial tone. If you hear a dial tone, your ClipFone is ready to be used.

THE HANDSETS

1. Unpack the handsets provided in the package.
2. Insert the handsets into the handset cradles on the base unit for charging. The charge indicators will light up to indicate that charging is in process.



Handsets cradled on base for charging

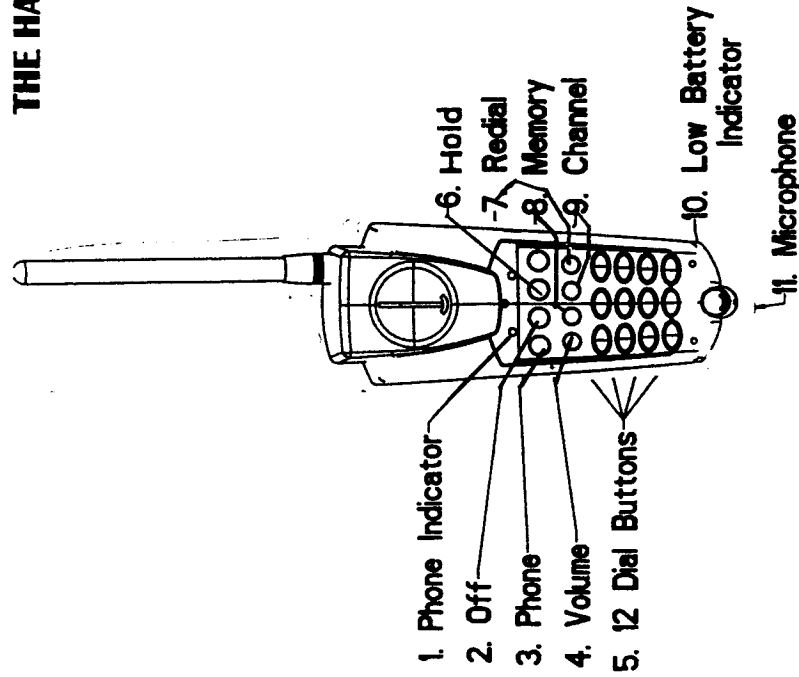


Note

Before you use the handsets, place them in the main charger on the base station, for a minimum of 12 hours. Do not attempt to use the phone unless the handsets have been fully charged.

OPERATING INSTRUCTIONS

THE HANDSET



Operating Range

Your handsets and the base station can communicate over a certain range.

Do make a few trial calls in and around your home, or office to get a feel for the operating range in your particular surroundings.



Note

If you receive a call while you are out of range, the handset may not ring. Even if it does ring, the call may not connect when you press the PHONE button. To receive the call, move closer to the base before you press the PHONE button again.

Low Battery Indication

When a handset battery is low, a warning beepwill sound and the Lo Batt light will flash. You should either transfer the call to the base (or another handset), or terminate the call. If this is not done, the battery may drain completely cutting off the call.



Note

If a handset battery is drained completely, it would loose its system registration. If you charge it at the base, system registration is automatically restored. If you charge it at the remote charger, you would need to restore the system registration by cradling it on the base for 5 seconds.

Making a call

1. Press the PHONE button on the handset to turn it on.
2. Wait for the dial tone, and dial the number from the keypad.



Note

There will be no indication on the other handsets to show that a call is in progress. If another handset user attempts to cut in on the call, his/her handset will emit a busy tone.

Answering a call

Switch on your handset by pressing the PHONE button. If the reception is not clear, pull out the handset antenna.

Ending a call

Switch off your handset by pressing the OFF button. If the handset is returned to the cradle without pressing OFF, the handset will automatically turn off.

Putting a call on hold

The handset has a HOLD button that allows you to put your call on hold. Note that while on hold, the call is muted, ie you can hear the other party, but they cannot hear you.

1. Press the **HOLD** button on your handset. The PHONE light will flash at a slow rate to indicate that the call is on 'hold'.
2. To resume the call, press the **PHONE** button. Doing this will turn off the PHONE light and restore the connection, enabling you to resume speaking to your caller.



Note

If you put a call on hold and forget all about it, the call will be automatically disconnected after 15 minutes.

Transferring a call

You can transfer calls from handset to the Base; or from one handset to a second handset. To transfer a call press the **HOLD** button on your handset:

To transfer to the Base

- The PHONE light on the base will begin flashing. The person at the Base can pick up the call by pressing the **PHONE** button.
- 1. Press the **HOLD** button on the handset. The PHONE light should flash.
- 2. Press **0** on the numeric keypad of the handset.
- 3. The Base will ring. To pickup at the Base, press the **PHONE** button.

To transfer to a specific handset

1. Press the **HOLD** button on the handset. The PHONE light should flash.
2. On the numeric keypad of the handset, press 1, 3, 4, 6, corresponding to the Blue, Green, Red and Yellow handset.
3. The selected handset will ring. To pickup at the selected handset, press the **PHONE** button.

To transfer to all parties

1. Press the **HOLD** button on the handset. The PHONE light should flash.
2. On the numeric keypad of the handset, press *****.

3. All other handsets, and the Base will ring. The first party to press **PHONE** will pick up the call.

Changing Channels

Your handset has 25 channels available for maximum performance. If you notice noise or interference while using your phone, press and release the **CHANNEL** button to switch to another channel. If the noise persists, or if a double beep is heard, move closer to the base before pressing **CHANNEL**. If the noise or interference continues, refer to the section entitled "Trouble-shooting" in this manual.



Note

Changing channels when the operating environment is extremely noisy, may result in failure in communication between the base and handset. As a result the handset may fail to respond to keys pressed. To restore handset operation, re-cradle it on the base for about 6 seconds.

Flash

The flash feature is used to temporarily release the line, before recapturing it for fresh dialing. The same action is performed by tapping the cradle once on standard (analog) telephone instruments. To perform a flash:

1. If you are finishing a call, press the **PHONE** button. This forces the instrument to seize a new line.
2. If you have a call waiting, press **PHONE** to toggle between calls.

Redialing

To redial a number:

1. Turn on the handset by pressing the **PHONE** button.
2. Press the **REDIAL** button. The number last dialed will be redialed. You can also do a one-touch redial without turning off the phone.

Just press **REDIAL**, and the handset will seize a new line and redial the last number.

Handset Volume

To change the volume of the call, press the **VOLUME** button. This will step through 3 volume selections. Each selection is indicated by a audio feedback. One beep = Soft, 2 beeps = Medium, 3 beeps = Loud.

Storing often-dialed numbers in Memory

You can store up to ten numbers on each handset and up to another 9 numbers at the base. Each stored number comprises of 16 digits. To store a number in memory:

1. Press the **MEM** button located on the handset. The **PHONE** light will flash. Key in the phone number using the keypad.
2. Press the **MEM** button again.
3. Key in a number from 1-9 to indicate the memory location where the number should be stored.

If the operation is successful, you will hear a 'happy' tone (2 warbling tones); if the operation fails, you will hear a 'sad' tone (a succession of 5 or more high tones). Note that any number stored at the memory location specified will be overwritten by the new number entered. Note that the phone should be off while you're storing a number in memory.

Dialing a Number Stored in Memory

1. Press the **PHONE** button to get a dial tone.
2. Press the **MEM** button followed by the number(1-9) of the memory location of the number stored
3. For example, to dial the phone number you assigned to button '6' on the handset, press **PHONE**, **MEM** and 6, in that order. Note that this number will now become the last number in the redial buffer.

Changing or Replacing a Stored Number

You can change or replace a stored number by storing a new number in its place.

Storing a Redial Number in Memory

To store the last number you dialed as a regular Memory Dial number, press **MEM**, **REDIAL**, **MEM** and then a number button (1-9), to indicate the memory location where it should be stored.

Storing a Pause in a Memory Dial Phone Number

If your phone calls are routed via a switchboard, you may have to dial a special number, referred to as a dial prefix (usually '9'), to get an outside line. When storing a number in memory, store the dial prefix followed by a pause in the dialing sequence. The pause will allow the switchboard enough time to give you an outside line dial tone. To insert a pause in a stored number:

1. Key in the dial prefix, usually 9, then press the **REDIAL** button, a beep is heard. This indicates the insertion of a two-second pause after the dial prefix.
2. To insert a longer pause, press the **REDIAL** button several times until you have inserted a sufficiently long pause. Note that each time you press the **REDIAL** button, a corresponding beep is heard, a 2-second pause is added to the dialing sequence. Therefore to add a 6-second pause to the dialing sequence, you would press the **REDIAL** button thrice.

EXAMPLE:

To store 9, a 6-second pause, and 555-1234 in memory location 3:

1. Press **MEM**, 9, and then press **REDIAL** thrice.
2. Press 5551234, **MEM**, 3.



Note

Each pause you store is counted as a digit. You can store a total of 16 digits in each memory location.

Storing Long Numbers in Memory

At times you may need to program a number longer than 16 digits -- for your alternate long distance service or for telephone banking. To get around the 16 digit limitation (concerning memory location storage), divide the number between two different memory locations. Assign the first part of the number to one memory location, and assign the second part to another.

EXAMPLE:

To program 100-639-5675-239-51-6237, you could divide it as (100 639 5675) and (239 51 6237).

1. To store the first part of this sequence, press **MEM**, **1006395675**, **MEM**, **1**.
2. To store the second part, press **MEM**, **239516237**, **MEM**, **2**.
3. To dial the complete number, press **PHONE**, **MEM**, **1**; wait for dialing to stop and then press **MEM**, **2**.

It is best to split the number at pauses or convenient breaks in the sequence, especially if you need to wait for necessary tones or signals before continuing.

Temporary Tone

Your ClipFone can use either Pulse or Tone dialing, in that, if you have dial pulse or rotary service, you can avail of telephone services requiring tone signals. The Temporary Tone facility allows you to switch from Pulse to Tone dialing temporarily. The user can switch from Pulse to Tone by pressing the '*' key located on the base station keypad. Note that the instrument will default to pulse dialing once the user terminates the call. To switch from Pulse to Tone dialing:

1. Press the **PHONE** button to turn a handset ON, or press the **PHONE** button on the base to activate the handsfree speaker-phone.
2. Press the '*' key on the keypad, and dial the required number.

THE BASE

The base incorporates a hands-free speakerphone. Most operations on the base is similar to the handset, except for the following additional functions:

FIND

This feature is useful if you misplace a handset. When you press the **FIND** button, all the handsets will emit a 'found' tone, for 30 seconds

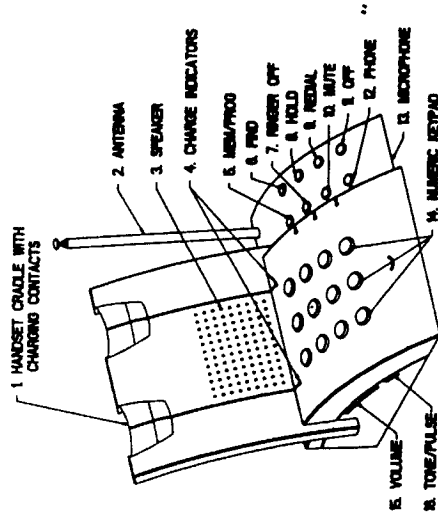
Note that if a handset is in use, it will not emit any sound. Only the idle handsets will sound. Also, a handset will not sound if it is out of communication range. To turn off the found tone on all the handsets, press the **PHONE** button on any handset. To turn off the found tone on a particular handset, press any button (other than **PHONE**) on that handset. All other handsets will continue to emit the found tone.

RINGER OFF

The ringer can be disabled by pressing the **RINGER OFF** button on the base. When the Ringer is switched OFF, the Ringer light on the front panel will be lit, indicating that ringing is being disabled on the base. However, the handsets will emit a ringing tone to indicate incoming calls. Note that if the handset is cradled on the base, both the handset and base will emit a ringing tone.

SPEAKERPHONE VOLUME

The volume of the speakerphone can be adjusted by the sliding switch on the side of the Base.



BATTERIES

About the Handset Batteries

Remember, the more you use your handsets, the more often you will have to re-charge the batteries. You will know the batteries need charging when:

- ✓ the Lo Batt indicator is lit.
- ✓ the phone does not respond when you press the PHONE button.

Replacing the Battery Pack

1. Remove the battery case cover by pressing down lightly on the cover and sliding it upward.
2. Remove the old battery pack by tapping the battery compartment gently against your palm. Disconnect the battery adaptor. Discard the old battery pack - but not in the trash compactor or a fire.
3. Insert the battery pack, and connect the battery adaptor. Replace the battery case cover by sliding it on its track to cover the battery case until it snaps firmly in place.
4. The new batteries must be charged before your handset can be used. Place the handset on the base and allow it to charge for 12 hours. Your handset may operate before then, but for best performance, let the batteries charge fully.

Charging the Batteries

Place the handset on the base. The 'charging' light will light up, and stay on to indicate that the handset has been seated correctly, and that the batteries are in the process of being charged. Batteries will attain full charge in 12 hours. The phone may work before that, but it's best to let the batteries charge fully. Once the batteries are fully charged, you need only to replace the handset on the base when the Lo Batt light is lit.

The batteries can be recharged many, many times, but if you get a low battery signal even after 12 hours of charging, the battery pack should be replaced.



Please recycle used batteries

OPTIONS

Additional Handset

You may choose to purchase another 2 handsets to expand the system capability to 4 handsets. The 4 handsets come in 4 different colors, ie Blue, Green, Red and Yellow. Every handset in the system must be of a different color. For example, if your basic system comes with a Blue and a Green handset, you may choose to add on the Red handset, or the Yellow handset, or both. Each additional handset will come with a remote charger. Please see your dealer if you are uncertain.

Handset Part No.:	Blue	33001
	Green	33002
	Red	33003
	Yellow	33004



Important

Every handset in the system phone must be registered on the base before it is system-capable. To do this, cradle each handset on the base for 5 seconds.

Handsfree ear-microphone

You can also purchase a handsfree ear-microphone. This allows you to talk on the clipphone handsfree. For optimal performance, use only Astralink microphone.

Handsfree microphone Part No.: 30001