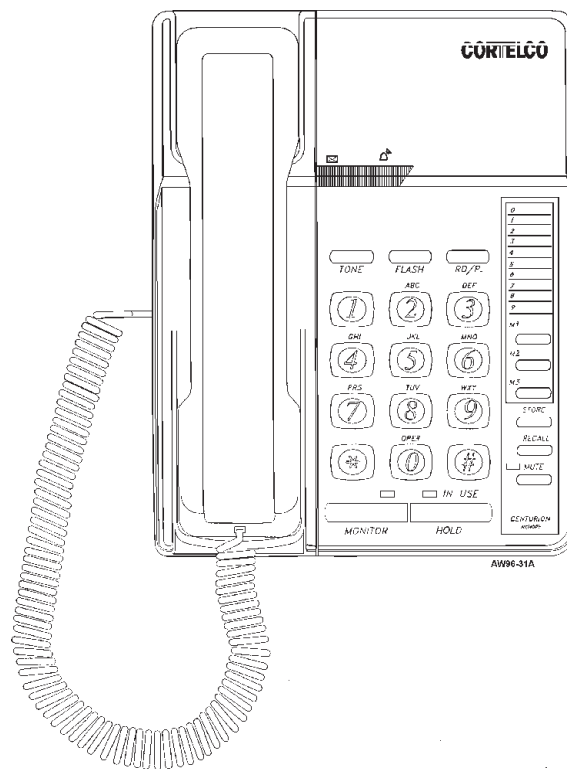


OWNER'S INSTRUCTION MANUAL



CENTURION

MEMORY TELEPHONE

CORTELCO

CENTURION

MEMORY TELEPHONE

- Desk/Wall Mountable • Line In-Use Indicator • Visual Ringing Indicator • Tone/Pulse Switchable Dialing • FLASH • HOLD • MUTE • Message Waiting Light • Last Number Redial • PAUSE • 3 Single-Touch Memory Locations • 10 Two-Touch Memory Locations • Ringer Volume Control • Data Port • Hearing-Aid Compatible

Congratulations on purchasing the CENTURION MEMORY telephone. All products in the CENTURION family of telephones combine the latest technology to provide sophisticated solutions to your complex communication needs.



Your new telephone was made by people who take a great deal of PRIDE in producing quality products to assure you years of trouble-free service.

We want you to know all about your new telephone, how to install it, the features it provides, and the services you can expect from its use. We have included this information in your Owner's Instruction Manual.

**PLEASE READ BEFORE INSTALLING
AND USING YOUR NEW TELEPHONE.**

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IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions when using your telephone equipment to reduce the risk of fire, electrical shock, and injury.

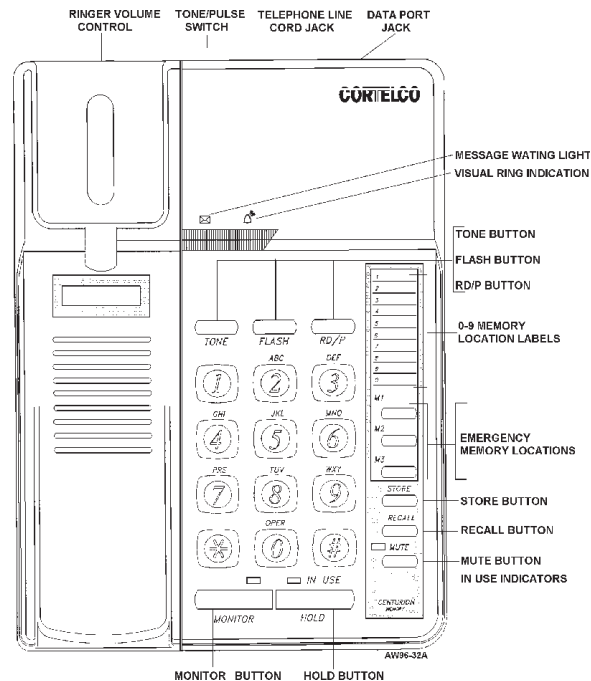
1. **Read and understand all instructions** in the Owner's Instruction Manual.
2. **Read all warnings** and follow all instructions marked on the product.
3. **Unplug this product from the wall outlet before cleaning.** Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
4. **Do not use the telephone near water.** For example, do not use near a bathtub, wash bowl, kitchen sink, laundry tub, swimming pool, or in a wet basement.
5. **Do not place this product on an unstable cart or stand.** The product may fall causing serious damage to the product.
6. **Do not place any objects on the telephone line cord.** Do not locate the telephone where the line cord will be walked on.
7. **Do not block or cover ventilation slots and openings** in the bottom of the telephone. The openings should never be blocked by placing the telephone on a bed, sofa, rug, or other similar surfaces. This telephone should never be placed near or over a radiator or heat register. This telephone should never be placed in a built-in installation unless proper ventilation is provided.
8. **Never spill liquid on the telephone or push objects of any kind through ventilation slots.** Liquid or objects may touch

dangerous voltage points or short out parts that could result in a risk of fire or electrical shock.

9. **Do not disassemble this product.** Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electrical shock when the product is subsequently used.
10. **Avoid using a telephone during a local thunderstorm.** There may be a remote risk of electrical shock from lightning.
11. **Do not use a telephone in the vicinity of a gas leak** to report the leak, or otherwise.
12. **Unplug the telephone from the wall outlet and refer servicing to qualified service personnel** under the following conditions:
 - When the line cord is frayed or plugs damaged.
 - If liquid has been spilled into the telephone.
 - If the telephone has been exposed to rain or water.
 - If the telephone does not operate properly by following the operating instructions.
 - If the telephone has been dropped or the housing damaged.
 - If the telephone exhibits distinct change in performance.

SAVE THESE INSTRUCTIONS

FEATURES OF YOUR TELEPHONE



Hearing-Aid Compatible Handset The handset on your Centurion telephone works with magnetically-coupled hearing aids.

Ringer Volume Control The 3-position switch (located on the back of the telephone) is used to set ringer volume. Set control on the left side for high ring volume or toward the right for low or off.

TONE/PULSE Switch The TONE/PULSE switch, located on the back of your telephone, is used to set the type of dialing for your telephone to match the local service from your telephone company. The 'P' position is for Pulse dialing service. The 'T' position is for Tone dialing service. (Some telephone companies cannot accept Tone dialing.)

Telephone Line Cord Jack Connect the modular line cord supplied with your telephone at this jack: long cord for desk installation; short cord for wall installation.

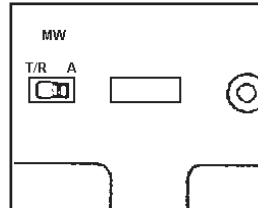
DATA PORT You can connect a data device (such as a modem) at the data port jack on the rear of the telephone to connect the device through the telephone network to a distant modem. The data port connects in parallel with the telephone line. While the modem is in use, incoming calls receive a busy signal.

Pushbutton Dial The pushbutton dial is used to dial numbers using either pulse or tone dialing.

FEATURES OF YOUR TELEPHONE

MESSAGE WAITING LIGHT The message light indicates that a message is waiting. It also provides ring indication.

NOTE: To configure your telephone for a PBX system generating 90-volt message waiting signals, use the MW switch located on the back of the housing. 90-Volt message waiting is set on either T/R (Tip/Ring, the Red/Green wires) or A (A-lead, the yellow-black wires).



VISUAL RING INDICATOR The Visual Ring Indicator will light when a ringing signal is applied to the telephone.

TO NE BUTTON The tone button is used to change the dialing mode from pulse to tone during a dialing sequence, when your local service is set for rotary dial service.

FLASH Button The FLASH button sends an interrupt signal to the distant office. The interrupt is a 600-millisecond, timed line disconnect which tells the distant office that you wish to use an available feature. The results of a FLASH signal will depend on the services you have available.

RD/P Button (Redial/Pause) Your Centurion telephone stores in memory the last number dialed (31 digits maximum). You can redial the last number dialed by lifting the handset and pressing the RD/P button. This button must be the first button pressed after lifting the handset to activate the redial feature.

You can erase the number stored in memory by lifting the handset and dialing any digit.

To use the **Pause** feature, press the RD/P button while dialing your number to insert a two-second pause.

Memory Locations Two-Touch and Single-Touch locations are used to store and retrieve numbers for automatic dialing. Each location can store 16 digits, including numbers, flashes, pauses, and dialing output changes. Three single-touch memory locations (M1, M2 and M3) are reserved for storing emergency numbers.

STORE BUTTON The STORE Button is used to store numbers in memory locations for automatic dialing. You can store a maximum of 3 one-touch numbers and 10 two-touch numbers, each with 16 digits maximum. To store a number lift the handset, press the the STORE button and dial numbers (16 digits maximum), press the STORE button again and press the desired memory location button (pushbutton dial 0-9, or M1, M2, or M3). Place the handset on-hook, or press the STORE button to continue storing numbers.

FEATURES OF YOUR TELEPHONE

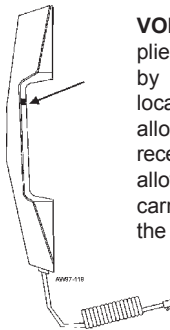
RECALL BUTTON The RECALL button is used to recall the numbers stored in the Memory locations. To recall a stored number, lift the handset, press the recall button and dial the digit (0-9). The three emergency locations are activated by lifting the handset and pressing the M1, M2, or M3 button.

MUTE Button Press the MUTE button so that the other party cannot hear the conversation at your telephone. The LED lights indicating the conversation is muted. You can continue to listen to the other party. Pressing the MUTE button a second time will return you to the call and the LED goes out.

IN-USE Indicator The in-use indicator will light when the handset is lifted from the cradle.

MONITOR BUTTON Press the Monitor Button to dial a number and pick up the handset when you party answers.

HOLD Button Press the HOLD button and return the handset to the cradle to put the call on local hold where it can be retrieved at any telephone connected to the line. The HOLD LED flashes when a call is placed on hold. To retrieve the call lift the handset or, if the handset is off hook, press the HOLD button



VOLUME CONTROL Your telephone complies with the latest FCC part 68 regulations by having a switch in its handset (see location of switch as shown in pictorial) that allows the user to increase the handset's receive volume. This increased volume should allow persons with hearing impairments to carry on normal conversations by adjusting the receive volume to its proper level.

INSTALLING YOUR TELEPHONE

UNPACKING YOUR TELEPHONE

Check the contents of the carton. Make sure you have a telephone, a baseplate, a 7-foot handset cord, a long modular line cord, and a short modular line cord.

If anything is missing or damaged, contact the place of purchase.

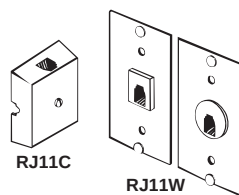
MODULAR JACKS

To install your telephone, you must have a modular wall jack at the desired location, or a 4-prong jack that can be modified with a 4-prong adapter. If your telephone line does not have a modular wall jack, or a jack that can be modified, you must have one installed.

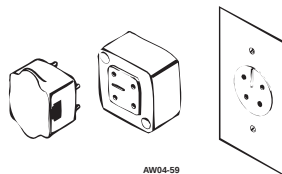
DANGER: To reduce the risk of electrical shock and personal injury, observe the following when installing station wiring:

- 1. Never install telephone wiring during a lightning storm.***
- 2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.***
- 3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.***
- 4. Use caution when installing or modifying telephone lines.***

Various types of modular wall jacks are shown to the right. The USOC RJ11C modular wall jack is for desk telephones and the USOC RJ11W modular wall jack is for modular wall telephones.



Various types of 4-prong wall jacks are shown to the right along with a 4-prong adapter. The 4-prong adapter plugs into the wall jack for modular wall jack service.

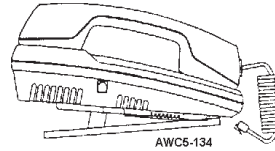


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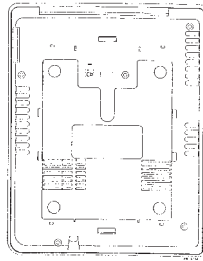
INSTALLING YOUR TELEPHONE

DESK INSTALLATION

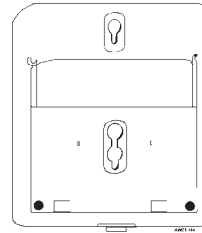
To install as a desk telephone, refer to the diagram.



- **Insert the baseplate mounting posts** into the mounting holes and locking slot on the housing.



Housing



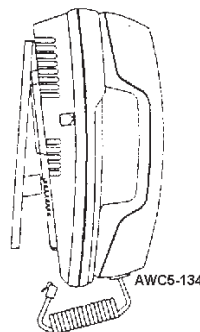
Baseplate

- **Connect** the line cord into the jack on the back of the phone.
- **Plug the unattached end of the line cord** into the modular wall jack.

WALL INSTALLATION

To install a wall telephone, refer to the diagram.

- **Plug** the line cord into the jack and route the free end down through the channel on the baseplate.
- **Insert** the baseplate mounting posts and latch into the mounting holes and locking slot.
- **Plug** the line cord into the wallplate.
- **Slip** the eyelets of the baseplate down onto the wallplate posts in a downward direction.



INSTALLING YOUR TELEPHONE

- **Adjust** the wall mount clip, located on the face of the housing, by lifting up the clip and rotating it 180 degrees.

Complete the Desk/Wall mounting by installing the handset and handset cord.

CHECK FOR DIAL TONE

Lift the handset and listen for dial tone.

- **When you hear dial tone**, your telephone is ready to use.
- **If you do not hear dial tone**, refer to the Telephone Service Problems part of your manual.

BEFORE USING YOUR TELEPHONE

1. **Set the ringer volume control.** If the control is set to OFF, you will not hear the ringer when someone calls you.
2. **Your telephone has a TONE-PULSE switch.** Set the switch to match the dialing service from the telephone company.
 - **If you have pulse service,** set the Tone-Pulse switch to PULSE.
 - **If you set the switch for TONE service,** you must have TONE service or you cannot dial.
 - **If you set the switch for PULSE service and you have TONE service,** you can dial numbers, but you cannot use distant services, such as bank-by-phone, unless you press the TONE button.

USING YOUR TELEPHONE

TO PUT A CALL ON LOCAL HOLD

While on a call, press the HOLD button, the LED flashes and the call is on local hold. Place the handset on hook, the HOLD indicator remains on while the call is on local hold.

To return to the call on hold:

Lift the handset or if the handset is off-hook, press the HOLD button, the LED will go off and the call is no longer on hold.

TO STORE NUMBERS IN ONE-TOUCH MEMORY LOCATIONS

Lift the handset, you will receive dial tone. Press the STORE button and dial the number (16 digits maximum). If desired press the PAUSE button during dialing to insert a two-second pause in the number sequence. Then press the STORE button again and press desired memory location button (push button dial 0-9, M1, M2, or M3) and place the handset on hook, or press the STORE button to continue storing numbers.

TO DIAL STORED NUMBER

To dial the stored numbers in the 10 two-touch memory locations:

1. Lift the handset.
2. Press the recall button.
3. Dial location (push button 0-9)

To dial the stored numbers in the 3 single-touch memory locations:

1. Lift the handset.
2. Press memory location button (M1, M2, or M3).

MAINTENANCE INFORMATION

Treat your telephone with care for trouble-free performance. Avoid dropping the handset. Carefully place the handset on-hook after use.

Clean your telephone with a damp cloth. Stains may be removed with a mild soap. Do not use liquid or aerosol detergents or cleaning agents.

TELEPHONE SERVICE PROBLEMS

If you have any problems with your telephone service, determine if the problem is with your telephone or the telephone company lines. **BEFORE CALLING THE TELEPHONE COMPANY,** be aware that they may charge you for a service call if the problem is caused by your telephone.

NO DIAL TONE

- Unplug your telephone from the wall jack. Plug a substitute telephone that is known to work properly into the same wall jack.
- If the problem persists when using the substitute telephone, notify the telephone company.
- If the substitute telephone works properly, you must have your telephone repaired before reconnecting it to the wall jack.

DIAL TONE BUT NO RINGING

- Check that the RINGER VOLUME CONTROL is not set to OFF.
- Set the RINGER VOLUME CONTROL to HIGH and have someone on another line call you. Before answering the call, set the RINGER VOLUME CONTROL to the desired volume.

DIAL TONE BUT NO DIALING

- Set the TONE/PULSE switch. You cannot dial out in TONE position if you have Rotary Dial Service.
- For Rotary Dial Service, set the switch to PULSE position.
- For Tone Dial Service, set the switch to TONE position.
- Try both positions if you are not sure.

REPAIR OF YOUR TELEPHONE

DO NOT ATTEMPT TO REPAIR THE TELEPHONE YOURSELF.

Telephones manufactured by Cortelco must be returned to us for repair.

You can return your telephone to Cortelco for repair or replacement in accordance with our LIMITED WARRANTY.

DATE-OF-PURCHASE Cortelco warrants telephones against defects in material and workmanship in accordance with our LIMITED WARRANTY. If your telephone is returned for repair, include a copy of your sales receipt containing the date-of-purchase. **DO NOT INCLUDE THE ORIGINAL SALES RECEIPT.**

If date-of-purchase is not included, the factory date printed on the label on the bottom of your telephone will be used as the date-of-purchase. The factory date allows six months for distribution and sale of the telephone.

If you return your telephone for repair, the warranty period is not extended. The original date-of-purchase continues to apply to your warranty.

OUT-OF-WARRANTY REPAIR We will repair this telephone for a nominal fee after the LIMITED WARRANTY has expired if you send it to us in a complete and undamaged condition. The repaired telephone will be shipped to you C.O.D., freight collect.

FOREIGN ATTACHMENTS Remove all attached devices, such as adapter plugs or long cords, from your telephone before returning for repair. We do not assume responsibility for repair or return of attachments. Check our LIMITED WARRANTY.

RETURN-FOR-REPAIR PACKAGING If you are returning a telephone to us for repair, package it carefully, preferably in the original carton. Be sure to include your return address, a copy of the sales receipt showing date-of-purchase, and a note describing the problem you have with your telephone. Shipping must be prepaid. If the telephone is in warranty, it will be repaired or replaced, at our option, at no cost to you, and it will be returned shipping prepaid.

Ship telephones (shipping prepaid) to:

Cortelco - REPAIR CENTER
1703 SAWYER ROAD
CORINTH, MS 38834

THE FCC WANTS YOU TO KNOW

DESIGN COMPLIANCE Your telephone is designed to comply with FCC Rules and Regulations, Part 68. It can be connected to the telephone network as FCC-registered terminal equipment. The registration number is printed on the label on the bottom of your telephone.

NOTIFICATION TO THE TELEPHONE COMPANY As a customer of the local telephone company, you must, if they ask, tell them before connecting your telephone to the telephone company lines. The telephone company may need the FCC registration number and the ringer equivalence of the telephone. This information is printed on a label on the bottom of your telephone.

RINGER EQUIVALENCE The ringer equivalence indicates the amount of power that your telephone draws from the telephone company line during ringing. The number is printed on the label on the bottom of your telephone.

If you have more than one telephone (or other terminal device) connected to the telephone company line, you should total the ringer equivalence numbers (REN's), and be sure that the total is not more than five. Your telephones may not ring if the total is more than five. Also, in some rural locations, your telephone may not ring if the REN total is more than three.

RESTRICTIONS You must not connect your telephone to coin-operated lines or party lines.

INTERFERENCE POTENTIAL Your telephone has a pushbutton dial that generates radio frequency energy. If not properly used, it may interfere with radio and television reception. If the telephone does cause interference with reception, move the radio or television to another electrical circuit or another location. If necessary, you may need to seek advice from an experienced technician.

INSTALLATION This model telephone must be connected to the telephone company lines through a modular jack. The required USOC for the modular jack is RJ11C for desk mounting and RJ11W for wall mounting. The USOC number is printed on the label on the bottom of your telephone.

TYPE OF DIALING Your telephone has a TONE/PULSE switch that allows Tone or Pulse dialing. To use TONE dialing, you must have TONE service from your telephone company to use your telephone for dialing. Note that you will usually be charged extra for TONE service.

HEARING-AID COMPATIBILITY The handset on your telephone will work with magnetically-coupled hearing aids. You can use a hearing aid equipped with a T (Telephone) switch.

IN CASE OF TROUBLE If your telephone should cause problems on the telephone line, the telephone company can temporarily disconnect your service. The telephone company must then notify and allow you to correct the problem.

The telephone company may from time to time change its lines or equipment. They must notify you if planned changes will affect your telephone service, to allow you to take steps to prevent interruptions.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a CLASS B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

MEMORY LOCATION BUTTON
ASSIGNMENTS

M1 _____

M2 _____

M3 _____

0 _____

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

LIMITED WARRANTY

If this telephone was purchased by you new in the U.S. or Puerto Rico, **Cortelco** warrants the telephone against defects in material and workmanship for a period of two (2) years from the date of original purchase. This warranty is in lieu of all other express warranties. During the warranty period, **Cortelco** agrees to repair or, at its option, replace the defective telephone, or any part of it, without charge for parts or labor. This is your exclusive remedy. This warranty does not cover damage resulting from accident, misuse, abuse, improper installation or operation, lack of reasonable care, the affixing of any attachment not provided by **Cortelco** with the telephone and loss of parts. The warranty is voided in the event any unauthorized person alters or repairs the telephone.

Telephone companies use different types of equipment and offer various types of services to customers. **Cortelco does not warrant that this telephone is compatible with the type of equipment of any particular phone company or the services provided by it.**

Cortelco DISCLAIMS ANY IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AS OF THE DATE ONE YEAR FROM THE ORIGINAL PURCHASE OF THE TELEPHONE. **Cortelco** ASSUMES NO RESPONSIBILITY FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

If failure occurs and your telephone is in warranty, service shall be provided by returning the telephone to **Cortelco - Repair Center, 1703 Sawyer Road, Corinth, Mississippi 38834, shipping prepaid**. The telephone will be repaired or replaced if examination by us determines the telephone to be defective. Telephones received damaged as a result of shipping will require you to file a claim with the carrier.