

### Important Safety Instruction

Some of the following information may not apply to your particular product; however, when using conference phone 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. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. This product should not be used while you are in a bathtub, shower or pool. Immersion of the product in water could cause an electrical shock.
5. Slots and openings in the cabinet back or bottom are provided for ventilation, to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation unless proper ventilation is provided.
6. 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.
7. 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.
8. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
9. 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 a risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified serviceman when 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 telephone equipment is subsequently used.
11. Do not expose the product to extreme temperatures such as areas near a hot radiator or stove or in a hot car.
12. Do not place lighted candles, cigarettes, cigars, etc., on the telephone.
13. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
14. Never install or modify telephone wiring during a lightning storm.
15. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
16. Use caution when installing or modifying telephone lines to prevent electrical shock and/or fire.
17. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - A. When the power supply cord or plug is damaged or frayed.
  - B. If the product has been exposed to rain or water.
  - C. If the product does not operate normally by following the operating instructions.

- D. If the product cabinet has been damaged.
  - E. If the product exhibits a distinct change in performance.
18. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
  19. Do not use the telephone to report a gas leak in the vicinity of the leak.
  20. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
  21. Plug the adaptor to the socket-outlet which near the equipment and shall be easily accessible.
    22. Risk of explosion if battery is replaced by an incorrect type, use on 3SN-AA120H-S-J1. Dispose of used batteries according to the instructions
    23. For servicing or replacement, you can purchase a suitable headset through service center or retailer shop. (see in [www.oregonscientific.com](http://www.oregonscientific.com))

### SAFETY TIPS


This product is designed to give you years of service if handled properly. Observe the following guidelines:

- Clean the unit with a damp cloth and mild detergent. Avoid dropping the unit or placing it in a high-traffic location.
- Never immerse the unit in water. This can cause electrical shock and damage the unit.
- Do not subject the Base Unit to extreme force, shock, or fluctuations in humidity.
- Do not tamper with the internal components.
- Do not mix new and old batteries or batteries of different types.
- Remove the batteries if storing this product for a long period of time.
- Do not scratch the LCD display.
- Do not make any changes or modifications to this product. Unauthorized changes may void your right to use this product.
- The technical specifications for this product and the contents of the user guide are subject to change without notice.

### CAUTION

To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.

### CAUTION

 You must use a Class 2 power source that provide in package. Its plug must fit the phone power jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the phone or the adapter.

Always connect the AC adapter to the phone before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect from the phone.

Under the environment with electrostatic discharge, the captioned model may malfunction and require user reset.

### SAVE THESE INSTRUCTIONS

**Music Box (Cube Phone)  
Model: CU328**

**USER MANUAL**

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**INTRODUCTION**

Congratulations on your purchase of this Oregon Scientific telephone. Your Cube Phone has been carefully designed and produced by a world leader of consumer electronic equipment

**KEY FEATURES**

Your 2.4GHz WDCT Cube Phone with FM radio and MP3 player is a high-quality home communications product with many advanced features, such as:

- Caller ID memory that holds up to 40 numbers.
- Electronic telephone book that holds up to 50 numbers.
- Recognition of up to 4 additional handsets for intercom calls.
- Microphone mute function.

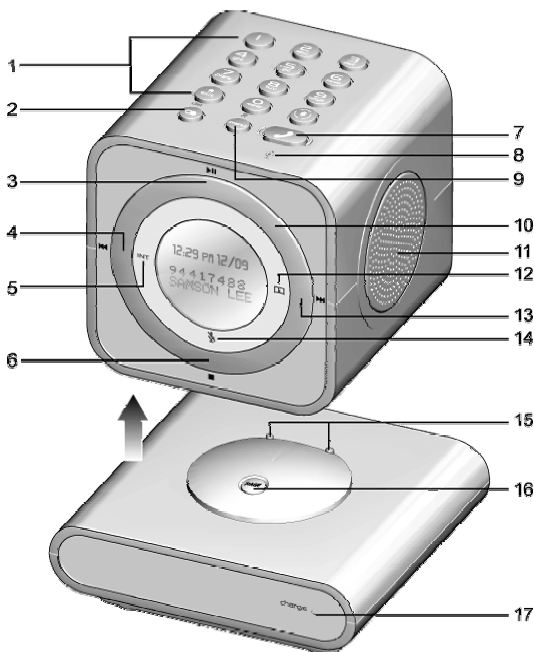
- Adjustable ring tones (including MP3 ring tone), volume levels, language display, handset IDs and low-battery / out-of-range warning signals.
- Rechargeable batteries and up to 7-hours of continuous talk time.
- Support for MP3 and WMA audio file formats
- Multi-format support for mass data storage
- 5 preset equalizer settings
- Multilanguage menu support

**IMPORTANT:** To use all of the features of this telephone, you must subscribe to either the standard Caller ID service or Caller ID with Call Waiting service from your local telephone company.

The following items should be included in the CU328 package:

- Base unit
- Telephone audio station
- 1 AC adaptor
- Telephone line cord
- 1 battery
- Battery order sheet
- User manual
- CD-ROM (MP303S) USB driver for Windows98®
- Stereo headset with mic
- USB cable

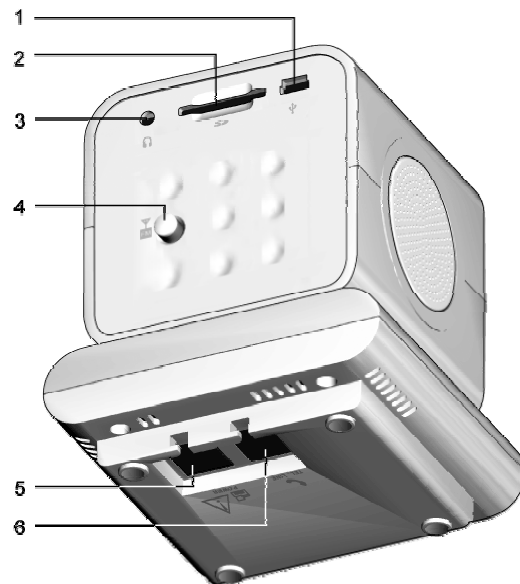
#### HANDSET – FRONT VIEW



1. Number keys
2. **del** [DELETE] key
3. **▶||** [PLAY / PAUSE] key

4. **⏮** [REWIND] key
5. **INT** [INTERCOM] key
6. **■** [STOP] key
7. **☎** [TALK] key
8. **☎** [Microphone]
9. **R** [MENU] key
10. **◂** Track ring
11. Speaker
12. **AB** [Address Book] key
13. **▶▶** [FORWARD] key
14. **🔇** [MUTE] key
15. Charging prongs
16. **PAGE** button
17. Charge / in-use indicator

#### HANDSET/BASE – BACK AND BOTTOM VIEW



1. **USB** socket
2. **SD CARD** slot
3. **HEADSET** jack
4. **Radio antenna**
5. **POWER** jack
6. **TELEPHONE** jack

#### GETTING STARTED

Certain other communication devices may use the 2.4GHz frequency for communication and, if not set properly, these devices may interfere with your new telephone.

## CHOOSING A BASE UNIT LOCATION

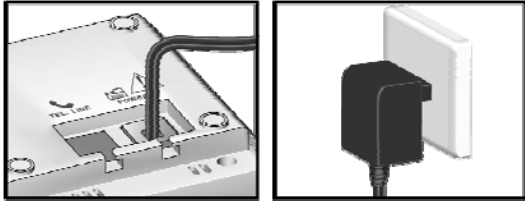
When selecting a location for your base unit, please observe the following guidelines:

- Choose a location that provides easy access to an AC power source and telephone jack.
- Do not place the base unit near a sink, bathtub or shower, or close to heat sources.
- Do not place the base unit near large metal objects or electronic appliances that may cause radio interference.

## CONNECTING THE BASE UNIT

To connect the base unit:

1. Plug the AC adaptor into the power jack on the bottom of the base, and then plug the other end into an electrical outlet (see below).
2. Plug the telephone line cord into the telephone line jack on the bottom of the base unit, and then plug the other end into your phone jack.



## BATTERY SETUP

To install the battery in your handset:

1. Open the battery compartment cover located at the bottom of the handset.
2. Plug the battery connector into the socket.
3. Place battery in the battery compartment.
4. Replace the battery compartment cover by sliding it into place. (The cover clicks into place when it is secured).

**NOTE:** The handset comes with the battery already installed.

## CHARGING HANDSET BATTERIES

You must charge the handset batteries for 15 continuous hours the first time you use them.

When the battery icon in the top right corner on the LCD screen appears empty, or if you hear a warning beep during a call, please:

- End the call as soon as possible.
- Charge the handset by putting it back on the base cradle. (The handset will begin to beep to indicate that the handset is charging).

## LOW BATTERY CHARGING

When the battery is low and has only 15 minutes of talk time left, the handset will beep a warning tone and the LCD display will flash “**Low Battery**”.

When this happens, please end the call as soon as possible, and put the handset back on the charger until the battery symbol returns to high level.







## HANDSET RECEPTION

Usually, a loss of reception means you are too far from the base unit, or there is interference between the base unit and handset. Make sure to:

- Stay within a range of 300 meters (984 feet) from the base unit while using the handset.
- Avoid interference such as TV or other electrical appliances.

**NOTE:** If your handset is out of range of the base unit, the range symbol  starts flashing.

## HANDSET LCD SYMBOLS

	Within range indicator Flashing when out of range
	Ringer is set to OFF
EXT 	Line-in-use
	Missed call
	Battery (5 levels) Flashing when battery is low (level 1  )

## BASIC TELEPHONE FUNCTIONS

While operating your Cube Phone, if you want to escape from the menu or the current mode, press **\* exit**.


**NOTE:** The following instructions are for the Phone Mode.

## SWITCHING TO PHONE MODE



To change to Phone Mode:

1. Press **R/menu**, then use  or  to select “**Goto Phone**”.
2. Press **R/menu**.


**NOTE:** When you enter the Phone Mode, the

telephone icon  will appear at the top of your LCD display.

## MAKING A CALL


To make a call, press  to get the dial tone, and then dial the number. (If you make a mistake, press  again to cancel the whole number).


OR

Dial the number, then press .


#### ANSWERING A CALL

The handset will ring when there is an external call.

To answer a call, press .

To answer a call while music is playing, press . (The audio will pause automatically).

#### ENDING A CALL

To end a call, simply press .

#### CALL WAITING

When you hear a call waiting tone, press **R/menu** to switch from an existing call, to call waiting.


**NOTE:** You must subscribe to this service from your local telephone company.

#### MESSAGE WAITING

When someone has called and left you a message, "**Message Waiting**" will appear on the screen. Follow the voice message commands to access message.

#### ADJUSTING THE SPEAKER VOLUME

To adjust the speaker volume:




1. Press .
2. Then turn the **track ring** to adjust the speaker volume accordingly.

#### REDIALING A CALL




To redial a call, press , and then press **del/☎**.

#### REDIALING FROM THE LAST 10 NUMBERS

To redial from the last 10 numbers:

1. Press **del/☎** to see your last call record.
2. Use ,  or the **track ring** to select a number.
3. Press  to dial the number.

If you want to edit the phone number before redialing:



1. Press **del/☎**.
2. Press **R/menu**.
3. Use ,  or the **track ring** to select "**Edit for Call**", then press **R/menu**.
4. Use **del/☎** and **0-9** buttons to edit the number.
5. Press  to dial the number.

#### FAST REDIAL

When you make a call and hear the busy tone, press **del/☎**. The phone will quickly redial the number within 3 seconds.

#### DELETING A REDIAL NUMBER



To delete a redialed number:

1. Press **del/☎** to see your last call record.
2. Use ,  or the **track ring** to select a number, then press **R/menu**.
3. Select "**Delete Record**" to delete 1 number, or "**Delete All**" to delete all numbers.
4. Press **R/menu**.
5. Select "**Yes**", then press **R/menu** to confirm.

#### SAVING DIALED NUMBERS INTO MEMORY

The handset will automatically save the last 10 numbers you dialed.

To save dialed numbers into your phonebook:





1. Press **del/☎**. (The last number is listed).
2. Use ,  or the **track ring** to select a phone number, then press **R/menu**.
3. Select "**Save Phonebook**" to save number, then press **R/menu**. ("**Saved**" will appear on the screen to confirm the action).

#### PHONEBOOK

Your phone can store 50 phone numbers.

#### STORING NUMBERS IN THE PHONEBOOK

To store a number in your phonebook:

1. Press **R/menu**.
2. Use ,  or the **track ring** to select "**Phone Book**", then press **R/menu**.
3. The handset display shows a record or "**---Empty---**". Press **R/menu**.
4. Use ,  or the **track ring** to select "**Add Record**".
5. Enter the name and then press **R/menu** to confirm.
6. Enter the name (see **KEYS TO USE** below) and then press **R/menu**.

- Enter the phone number and then press **R/menu**. The handset will beep twice indicating that the record has been stored.

**NOTE:** If only a phone number and no name is input, then the record can still be saved.

#### KEYS TO USE

When entering a name, "B" will be entered by pressing the "2" button once, followed by pressing "2" again within 1 second. If pressed beyond 1 second, "A" is entered and the second press of "2" will give the entry of "AA".

#### [PLEASE LAY OUT IN CHART FORMAT]

The list of characters is shown below:

	CAPITAL LETTERS	SMALL LETTERS
1	SPACE 1 _ - + = ^ ~ . : ; ? !	SPACE 1 _ - + = ^ ~ . : ; ? !
2	ABC2ÅÆAAAÄÅÇ	abc2åæåååååç
3	DEF3EEEEÉ	def3éèèèèèè
4	GHI4IIII	ghi4iiii
5	JKL5	jkil5
6	MNO6ÖØÓÔÕÖÑ	mno6öøóôõöñ
7	PORS7	pqrs7
8	TUV8UUÜÜ	tuv8úüüü
9	WXYZ9YP	wxyz9yp
0	0 * # \$ % & / \ ( ) [ ] < >	0 * # \$ % & / \ ( ) [ ] < >
.	Press when editing a name to return to Standby Mode.	
*	Press when editing a number to get ***.	
#	Press to change between capital and small letters.	

#### DELETING NUMBERS FROM PHONEBOOK

To delete a record in your phonebook:

- Press **R/menu**.
- Use **▶▶**, **◀◀** or the track ring to select "Phone Book", then press **R/menu**.
- The handset display shows a record. Use **▶▶**, **◀◀** or the track ring to select the record you want to delete. Press **R/menu**.
- Enter the name (see KEYS TO USE section) and then press **R/menu**.
- Use **▶▶**, **◀◀** or the track ring to select "Delete Record".
- Press **R/menu**.
- Select "Yes" to complete deletion. The handset will beep twice indicating that the record has been deleted.

To delete all records:

- Follow steps 1-4 above and select "Delete All?"
- Now follow steps 6-7 above.

#### EDITING NUMBERS IN YOUR PHONEBOOK

To edit a record in your phonebook:

- Press **R/menu**.
- Use **▶▶**, **◀◀** or the track ring to select "Phone Book", then press **R/menu**.
- Press **R/menu** again, and then use **▶▶**, **◀◀** or the track ring to select "Edit Record".

- Press **R/menu**. Use **del/☎** to edit the name. (See KEYS TO USE section) and then press **R/menu**.
- Use **del/☎** to edit the number and then press **R/menu**. The handset will beep twice indicating that the record has been stored.

#### CALLING NUMBERS FROM PHONEBOOK

To call using a number in your phonebook:

- Press **R/menu**.
- Use **▶▶**, **◀◀** or the track ring to select "Phone Book", then press **R/menu**.
- Use **▶▶**, **◀◀** or the track ring to select a number, then press **☎** to dial the number.

#### QUICK BROWSING OF YOUR PHONEBOOK

To browse through your phonebook quickly:

- Press **☎** and then use **▶▶** or **◀◀** to browse through your phonebook.
- Then press the key with the 1<sup>st</sup> letter of the person's name you are looking for. (For example, press key 7, 4 times to get quick access to a name beginning with 'S').

Press **☎** to dial the selected number, or press **\* exit** to return to Standby Mode.

**NOTE:** You can use the phonebook function while on an active call.

#### CALLER ID DISPLAY

If you have subscribed to this service, the caller's phone number will display when there is an incoming call.

**NOTE:** If the caller's phone number was stored in the phonebook, the associated name will be displayed with the phone number.

Each entry in the caller list has the:

- Caller number (up to 24 digits)
- Caller name (up to 15 characters)
- Date and time of the call
- Number of calls made to this number (up to 40).

#### VIEWING CALLER ID RECORDS

To view caller ID records:

- When the phone is in Standby Mode use **▶▶**, **◀◀** or the track ring to browse through Caller ID records.
- If you need to edit the phone number before making the call press **R/menu**.



- Use , or the track ring to select "Edit for Call".
- Use and 0-9 buttons to edit the number.
- Press to dial the number.

**NOTE:** If "No Calls" appears on the screen, then no records are stored in the Caller ID memory.

**NOTE:** When the Caller ID memory is full, it will automatically delete your 1<sup>ST</sup> Caller ID record.

#### SAVING CALLER ID RECORDS IN YOUR PHONEBOOK

When you have a Caller ID record on your screen:

- Press **R/menu**, then use , or the track ring to select "Save Phonebook".
- Press **R/menu**. "Saved" will appear on the screen to confirm the action.

#### DELETING CALLER ID RECORDS

To delete a record:

- Press , or the track ring whilst in Standby Mode and select the number you want to delete. Then, press **R/menu**.
- Select "Delete Record", then press **R/menu**.
- Select "Yes", then press **R/menu** to confirm.

To delete all records:

- Press , or the track ring whilst in Standby Mode. Then, press **R/menu**.
- Select "Delete All", then press **R/menu**.
- Select "Yes", then press **R/menu** to confirm.

#### NO CALLER ID

If a caller has withheld their Caller ID name and / or number, one of the following messages will appear on your screen:

- "Blocked Number"
- "Unknown Number"
- "Blocked Name"
- "Unknown Name"
- "Unknown Caller"
- "Blocked Call"

#### MISSED CALLS

If you miss a call, the handset will display: .

When you view the Caller ID of your missed calls, the following notifications will appear on the screen:

- "NEW" – This is the first missed call from this particular Caller ID.

- "REPT" – This appears when more than one call has been missed from this particular Caller ID.

#### DURING A CALL

##### USING THE MUTE FUNCTION

To mute the handset, press .

To un-mute the handset, press again. You will return to the normal mode.

#### HANDSET SETTINGS

##### IMPORTANT:

- If you press the button, you will enter Talk Mode.
- If you press the **R/menu** button, you will enter Menu Mode.
- You cannot enter the Menu Mode when the phone is in Talk Mode. To exit the Talk Mode press .
- To leave a setting at any time and return to Standby Mode, press the button.

**NOTE:** When you have completed a setting, 2 beeps will sound to indicate that the task is complete.

##### SETTING THE RING TONE

You have a choice of 10 polyphonic melodies, 4 tones and MP3 songs for incoming calls.

To select a ring tone:

- Press **R/menu**, then use , or the track ring to select "Sound & Display".
- Press **R/menu**.
- Select "Ringer Tone", then press **R/menu**.
- Select the melody or tone you prefer, then press **R/menu** to confirm. You will here a demonstration of the tone/song selected.

##### SETTING THE RING TONE VOLUME

To set the ring tone volume:

- Press **R/menu**, then use , or the track ring to select "Sound & Display".
- Press **R/menu**, then use , or the track ring to select "Ringer Volume".
- Use , or the track ring to increase or decrease the volume.
- Then press **R/menu** to confirm.

**NOTE:** If the ring volume is turned off, you will see the icon.

## SETTING THE DISPLAY LANGUAGE

To change the language:

1. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select **"Phone Setup"**.
2. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select **"Language"**, then press **R/menu**.
3. Select the language you want, then press **R/menu** to confirm.

**NOTE:** The default language for the handset display is English. You can also change the language to French, Spanish, German, Italian, Dutch, Portuguese, Swedish, Finnish, Danish or Norwegian.

## SETTING THE DIAL TONE

In order to provide compatibility with other phone systems, your phone can be set to either Pulse dialing (same as rotary dial phones), or Tone dialing (DTMF).

To set the Dial Mode:

1. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select **"Phone Setup"**.
2. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select **"Dialing"**.
3. Press **R/menu**.
4. Select either **"Tone"** or **"Pulse"** mode, then press **R/menu** to confirm.

## SETTING THE TIME / DATE

To set the time / date format:

1. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select **"Clock & Timer"**.
2. Press **R/menu**.
3. Select **"Date & Time"**, then press **R/menu**.
4. Select **"Set Time"** or **"Set Date"**, then press **R/menu**.
5. Use the number keys to set the time/date. (Use **▶▶**, **◀◀** or the track ring to select hour or minutes to set).
6. Press **R/menu** to confirm.

## SETTING THE TIME / DATE FORMAT

To set the time / date format:

1. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select **"Clock & Timer"**.
2. Press **R/menu**.
3. Select **"Date & Time"**, then press **R/menu**.
4. Select either **"Time Format"** or **"Date Format"**, then press **R/menu**.

5. Use the number keys to set the alarm time. (Use **▶▶**, **◀◀** or the track ring to select hour or minutes to set).
6. Press **R/menu** to confirm.

## SETTING THE ALARM

Your Cube Phone comes with dual alarm functionality.

To set the alarm:

1. Press **R/menu**, then use **▶▶** or **◀◀** to select **"Clock & Timer"**.
2. Press **R/menu**.
3. Select **"Alarms"**, then press **R/menu**.
4. Select **Alarm1** or **Alarm2**, then press **R/menu**.
5. Use the number keys to set the alarm time. (Use **▶▶**, **◀◀** or the track ring to select hour or minutes to set).
6. Press **R/menu** to confirm.

**NOTE:** You can select Alarm 1, 2, 3, 4 or radio.

**NOTE:** The alarm will be set automatically upon confirmation.

## SNOOZE / TURNING THE ALARM OFF

Once an alarm sounds, you may, press any key once and the alarm will snooze for 8 minutes.

OR

Press and hold **■** to turn off the alarm.

**NOTE:** If no button is pressed for 2 minutes the alarm will turn itself off.

## ACTIVATING THE SCREEN SAVER

The screensaver shows the time on your LCD Display.

To activate your screensaver:

1. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select **"Screensaver"**.
2. Press **R/menu**.
3. Select **"On"**, then press **R/menu** to confirm.

**NOTE:** It will take 12 minutes for the screensaver to be activated after confirmation.

## DELETE CALLER ID RECORDS

To delete all Caller ID records:

1. Press **R/menu**, then use **▶▶**, **◀◀** or track ring to select **"Erase All CID"**, then press **R/menu**.





2. Select “Yes” or “No”, then press **R/menu**.

## CONFERENCE CALLS

You can have a conference call with an external party and 2 internal parties.

To have a conference call:

1. First establish the call with the external party by either making an external call or answering an incoming call.
2. Press **INT** to make an intercom call to another handset. (The external party will be put on hold. The internal party answers your intercom call by pressing ).
3. Then you press  and hold for about 2 seconds (you will hear a confirmation key tone).

You, the external party and the other internal party can talk together in a conference call.

## OPERATING THE BASE UNIT







### PAGING THE HANDSET

To look for your handset, press the **PAGE** button in the cradle of the base unit.

To stop the paging, press any button once.

## USING MULTIPLE BASE UNITS

Your handset can select 1 of 4 base units:

1. Press **R/menu**, then use ,  or the track ring to select “Handset Settings”.
2. Press **R/menu**.
3. Use ,  or the track ring to select “Select Base”, then press **R/menu**.
4. Use ,  or the track ring to choose automatic selection or base unit 1-4, then press **R/menu**.

**NOTE:** When “Automatic” is selected, the handset will select a free base unit for you.


## USING MULTIPLE HANDSETS

Your base unit can synchronize with up to 4 handsets.


### INTERCOM CALLING BETWEEN HANDSETS


To call between handsets:

1. Press **INT** on your handset.
2. Type in the number of the handset (1-4) that you want to reach.
3. The paged handset will ring. The display of the paged handset will show “Int Call”.

**NOTE:** To cancel the intercom call, press .

### ANSWERING INTERCOM CALLS



To answer an intercom call, press .

To end an intercom call, press  again to end the intercom call.

### CALL WAITING

If an external call comes in during an intercom conversation, you will hear a call waiting tone.



To end an intercom call:


1. Press . (The external line will ring).
2. Press  again to answer the external call.

### CALL TRANSFER BETWEEN HANDSETS

You can transfer an external call from one handset to another.

To transfer a call between handsets:

1. During an external phone conversation, press **INT**. Your caller will be put on hold.
2. Type in the handset number (1-4) to which you want the call transferred.
3. The paged handset will ring and “Int Call” will appear on the display.
4. To answer the call on the paged handset, press .
5. Press  on the paging handset to transfer the call.

**NOTE:** If the other handset does not answer, press **INT** to end the intercom call and get back to the external line. Pressing  will end both the intercom call and the external call.

## REGISTERING HANDSETS TO BASE UNIT

The handset and base unit are factory pre-registered with each other. When you purchase an additional handset, you have to register it to the base unit in order to make and answer calls.

You can register up to 4 more handsets to make and answer calls via the same base unit. Handsets are numbered 1 to 4.

To register a new handset:

1. Press and hold the **PAGE** button on the cradle of the base unit to enter Registration Mode.

2. On the handset, press **R/menu**.
3. Use **▶▶**, **◀◀** or the track ring to select "Handset Setting", then press **R/menu**.
4. Select "Registration", then press **R/menu**.
5. Use **▶▶**, **◀◀** or the track ring to select "Base 1, 2, 3 or 4", then press **R/menu**.
6. Enter the default Pin Code "0000" then press **R/menu**.
7. You will see the message: "Registering".
8. When the registration is complete, "Registration Success" will appear on the screen.

**NOTE:** The base unit will then send a signal to the handset registering the handset to the base unit. Once the registration function has been completed, the handset will return to Standby Mode.

### DE-REGISTERING HANDSETS

To de-register a handset from the base unit:

1. On the handset, press **R/menu**.
2. Use **▶▶** and **◀◀** to select "Handset Setting", then press **R/menu**.
3. Select "Remove HS", then press **R/menu**.
4. Use **▶▶** and **◀◀** to select handset number, then press **R/menu**.
5. "Confirm?" appears on the screen. Press **R/menu** and "Handset Removed" will appear to confirm de-registration.

**NOTE:** You cannot de-register the handset you are using.

### RESETTING YOUR SYSTEM

If you need to reset your system, you will lose any information you have stored and all settings will return to their default settings.

To reset your system to the default settings:

1. Press **R/menu**, then use **▶▶** and **◀◀** to select "Handset Setting".
2. Press **R/menu**.
3. Select "Set Default", then press **R/menu**.
4. When prompted, select "Yes". You will then hear the double beep to indicate the default settings have been restored.

**Your default settings are:**

- Language: English
- INT melody: Melody 1
- Handset name: Handset
- Ring volume: 3
- Dial mode: Tone
- Battery indicator: On

- Ear volume: 1
- Range indicator: On

### THE MP3 FUNCTIONS

Your CU328 comes with a built-in MP3 player, which supports multiple audio standards, such as WMA (Windows Media Audio™ Version 8) and MP3 formats. You can also transfer files easily via a USB2.0™ connection.

Please ensure your computer meets the following minimum system requirements:

- Intel® Pentium® 133MHz or faster
- CD-ROM Drive
- USB1.1 port or USB2.0 port
- 10MB free hard disk space
- Microsoft® Windows®, 98SE, ME, 2000 or XP
- Mac OS 9.0 or above

### DRIVER INSTALLATION

#### Windows® ME, 2000, XP Users

Windows® already provides the USB driver.

#### Windows 98SE Users

Installing the MP3 driver software is necessary.

To install the MP3 driver software:

1. Insert the MP3 CD-ROM into your computer.
2. Follow the on-screen instructions.
3. Restart your computer.

### CONNECTING TO YOUR COMPUTER

Insert the USB cable to the USB port in your PC and connect the mini-USB connector to your USB port. The unit will automatically begin charging.

**IMPORTANT:** Do not disconnect while downloading data from your PC.


### DISCONNECTING FROM YOUR COMPUTER

Please follow the procedures below.

#### For Windows 98SE:

1. Double click the **My Computer** icon.
2. Right click the removable drive letter your player has been assigned.
3. Click "Eject" from list before disconnecting.

#### For Windows ME, 2000, XP:

Before disconnecting, click the "Stop USB Mass Storage Device"  icon on the Windows taskbar at the bottom right of your computer screen to stop the device.

#### For Macintosh:

Drag and drop the "Untitled" icon from the desktop to the "Trash" icon to eject the player before disconnecting.

**NOTE:** Before unplugging your player from your computer, wait at least 15 seconds after the audio or data file transfer is completed to prevent any data loss that may occur.

## MP3 BASIC OPERATION

### SWITCHING TO YOUR MP3 PLAYER

To switch to MP3 Mode:

1. Press **R/menu**, then use **▶▶** or **◀◀** to select **"Goto MP3"**.
2. Press **R/menu**.

**NOTE:** The MP3 player functionality will not work unless you have inserted the SD card into the SD socket at the back of the handset.

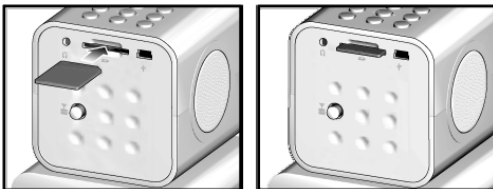
**NOTE:** To escape from the menu or the current mode, press **\* exit**.

### INSERTING THE SD CARD INTO HANDSET

The SD card stores files downloaded from your computer via the USB cable.

To insert the SD card into your handset:

1. Locate the SD socket at the back of the handset, and insert the SD card with the "clipped" corner on the top right.
2. Push the SD card into the socket all the way. (You will hear a click; this indicates that the card is in place).



To remove the SD card from the handset:

1. Push the SD card inwards until you hear the clicking sound that indicates that it will self-eject.
2. Pull the SD card from the slot.

**NOTE:** The SD card capability is up to 1 GB only.

**NOTE:** Any songs you downloaded from your computer while the SD card was inside your handset will be stored in your SD card. Therefore make sure you protect the SD card from moisture and damage.

### OPERATING YOUR MP3 PLAYER

The operation of your MP3 player is simple and intuitive.

To play a song, while in the MP3 Mode, press **▶▶**.

To stop a song, press **■**. (This button is at the bottom of the silver volume ring).

To pause a song, press **▶▶**.

To fast forward through a track, press and hold **▶▶**. If you want to skip more than the current track, press and hold the **▶▶** button.

To rewind to a previous track, press and hold **◀◀**. If you want to rewind back to more than the previous track, press and hold the **◀◀** button.

### PLAY MODE

You have a number of choices of how to play your songs, including:

- **Repeat All** – Plays all audio files over and over in chronological order.
- **Repeat One** – Plays the selected audio file continuously.
- **Random Repeat** – This setting will repeat randomly selected audio files.
- **Random** – Plays audio files that are selected randomly.
- **Normal** – Plays all audio files in chronological order.

To switch to Play Mode while in MP3 Mode:

1. Press **R/menu**.
2. Use **▶▶**, **◀◀** or the track ring to select **"Play Mode"**.
3. Press **R/menu**.
4. Once you are in Play Mode, simply use **▶▶**, **◀◀** or the track ring to select the mode of your choice.
5. Once you have selected, press **R/menu**.

### SETTING THE SLEEP TIMER

The Sleep Timer is designed to automatically shut off audio after a certain period of time. (This feature enables you to fall asleep with the music on without having it play all night).

To set the sleep timer function:

1. Press **R/menu**.
2. In the MP3 Mode (or Radio Mode), use **▶▶**, **◀◀** or the track ring to select **"Sleep Timer"**, then press **R/menu**.
3. Use **▶▶**, **◀◀** or the track ring to select a timer setting, then press **R/menu**. (2 beeps will sound to confirm selection).

## EQ MODE

You have a number of choices of how to equalize your music, including:

- **Classic** – Affects sound to enhance all classical music.
- **Live** – Affects sound to enhance all live music.
- **Pop** – Affects sound to enhance pop music.
- **Rock** – Affects sound to enhance rock music.
- **Normal** – No audio settings set to enhance sound.

To switch to EQ Mode while in MP3 Mode:

1. Press **R/menu**.
2. Use **▶▶**, **◀◀** or the track ring to select “EQ Mode”.
3. Press **R/menu**.
4. Once you are in EQ Mode, simply use **▶▶**, **◀◀** or the track ring to select the mode of your choice.
5. Once you have selected, press **R/menu**.

## PLAY TIME INFORMATION

You have two choices of how to display your play time information, which include:

- **Elapse** – Shows time passed since beginning of audio file.
- **Remain** - Shows time to play until audio file finishes.

To switch to Play Time Information Mode while in MP3 Mode:

1. Press **R/menu**.
2. Use **▶▶**, **◀◀** or the track ring to select “Play Time Info”.
3. Press **R/menu**.
4. Once you are in Play Time Info Mode, simply use **▶▶**, **◀◀** or the track ring to select the time display of your choice.
5. Once you have selected, press **R/menu**.

## TAG INFORMATION

You have two choices of how to tag your files in your MP3 player: ON or OFF.

To switch to Tag Info Mode while in MP3 Mode:


1. Press **R/menu**.
2. Use **▶▶**, **◀◀** or the track ring to select “Tag Info”.
3. Press **R/menu**.
4. Once you are in Tag Info Mode, simply use **▶▶**, **◀◀** or the track ring to select “On” or “Off”.
5. Once you have selected, press **R/menu**.

## VOLUME CONTROL

To adjust the volume, move the track ring clockwise to increase the volume, or counter-clockwise to decrease the volume.

## HANDLING INCOMING CALLS

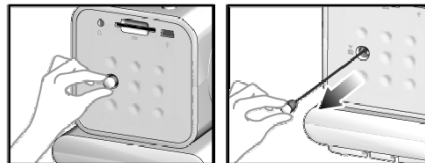
When there is an incoming call while the user is listening to the MP3 or Radio, the Cube Phone will pause playing automatically.

To receive an incoming call while music is on, press .

After the call ends, your Cube Phone will return to the MP3 or FM Mode.

## THE FM RADIO (87.5 – 108MHz)


You can preset up to ten radio stations in your telephone. Pull out the antenna located at the back of the handset to maximize your reception).



## SWITCHING TO FM RADIO

To switch to the FM Mode:

1. Press **R/menu**, then use **▶▶**, **◀◀** or the track ring to select “Goto FM”.
2. Press **R/menu**.

**NOTE:** When you enter the FM Mode, the radio icon  will appear at the top of your LCD display.

## FM SCAN MODE





To get to the FM Scan Mode while in FM Mode:

1. Press **R/menu**.
2. Use **▶▶**, **◀◀** or the track ring to select “FM Scan Mode”.
3. Press **R/menu**.
4. Once you are in FM Scan Mode, simply use **▶▶** or **◀◀** to find a FM station, or press and hold **▶▶** or **◀◀** to search automatically for a FM station with good reception.

## SAVING A RADIO STATION





To save a radio station:

1. Press **R/menu**.

- Use  or  to select "Save Stations".
- Press **R/menu**.
- Once you are in Save Stations Mode, simply use  or  to select a channel from a list of ten stations (channels).
- Press **R/menu** to save the selected radio station.

#### DELETING A RADIO STATION





To delete a radio station:

- Press **R/menu**.
- Use  or  to select "Delete Stations".
- Press **R/menu**.
- Use  or  to select a channel from the list of ten stations (channels).
- Press **R/menu** to delete the selected station.

**NOTE:** The deleted radio station will disappear from the list, but when you enter the "Save Stations" Mode, the channel will be listed but will show "---Empty---".

#### FM PRESET MODE

To get to the FM Preset Mode while in FM Mode:

- Press **R/menu**.
- Use  or  to select "FM Preset Mode".
- Press **R/menu**.
- Once you are in FM Preset Mode, simply use  or  to select a preset radio station from the list of ten stations (channels). The radio will then play.

**NOTE:** The LCD display will show the channel number under the word "Preset".

#### SETTING THE SLEEP TIMER

Please see SETTING THE SLEEP TIMER in the MP3 BASIC OPERATIONS section of this manual.


#### VOLUME CONTROL

The volume works the same way as for the MP3 player. (See VOLUME CONTROL in the MP3 BASIC OPERATIONS section).

#### HEADSET JACK

A headset can be used with your telephone for hands-free conversation.

To use a headset, plug it into the **HEADSET** jack located at the back of the handset.

While the headset is connected, press  to answer or place a call.

**NOTE:** The headset is worn with the strap around the back of the head, not around the top of the head.

#### SAFETY AND CARE

This product is designed to give you years of service if handled properly. Please observe the following guidelines:

- Do not subject the main unit to extreme force, shock or fluctuations in humidity.
- Do not make any changes or modifications to this product. (Unauthorized changes may void your right to use the product).
- Keep your player away from any strong magnetic fields. Exposure to magnetic fields may cause the memory to be erased or even damaged.
- Do not expose your telephone to direct sunlight or moisture.
- Clean the phone with a soft cloth, but never use a strong cleaning agent or abrasive powder. This will damage the finish.
- Periodically clean the charge contacts on the handset and base unit with a clean pencil eraser.

#### FM RADIO

Causes of poor reception:

- Aluminum siding
- Foil backing on insulation
- Heating ducts and other metal construction shielding radio signals
- You are too close to appliances, such as microwaves, stoves or computers
- Atmospheric conditions, such as strong storms
- Base unit is installed in the basement or lower floor of the house
- Base unit is plugged into an AC outlet with other electronic devices
- Handset battery is low
- You are out of the base unit's transmission range

**NOTE:** If you are having poor reception, be sure to pull out the antenna at the back of the unit.

#### CHANGING THE HANDSET BATTERY

When the handset operating time becomes short even after a battery has been recharged, please replace the battery. With normal usage, your battery should last about one year.

#### REPLACING THE BATTERY

- Make sure the telephone is turned OFF.

2. Slide off the battery compartment cover.
3. Disconnect the battery plug from the jack in the compartment and remove the battery pack.
4. Insert the new battery pack and connect the cord into the jack.
5. Put the battery compartment cover back on.
6. Place handset on the base to charge the new battery for 15 hours.

**CAUTION:** To reduce the risk of fire or personal injury, use a 3.6 V, 1200mAh battery. Contact your place of purchase.

### RECYCLING NICKEL-METAL HYDRIDE BATTERIES

Nickel-metal hydride batteries *must be disposed of properly.*



Please take your used battery pack to a store that recycles Ni-MH batteries.

### SPECIFICATIONS

Here are the specifications for your Cube Phone:

TYPE	DESCRIPTION
Standard	Worldwide Digital Cordless Telecommunication (WDCT)
Frequency range	2.4GHz ISM
Channel bandwidth	0.824MHz
Modulation	GFSK
Speech coding	Adaptive Differential Pulse Code Modulation (ADPCM)
Communication range	Up to 300 meters in open space
Base power supply	Input 120V / 60Hz
Handset charger power supply	Input 120V / 60Hz
Languages	11 languages
Handset battery charging time	15 hours (approx.)
Operating time	Standby: 5 days (approx.)
	Talk: 7 hours (approx.)
Operating temperature	0°C to 45°C
Storage temperature (outdoor)	-20°C to 60°C
Storage temperature (indoor)	-5°C to 50°C
Humidity range	25% to 90%

**NOTE:** The technical specifications for this product and the contents of the user guide are subject to change without notice.

### ABOUT OREGON SCIENTIFIC

Visit our website ([www.oregonscientific.com](http://www.oregonscientific.com)) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our customer care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific Customer Care department directly, please visit: [www2.oregonscientific.com/service/support](http://www2.oregonscientific.com/service/support)

OR

Call 949-608-2848.

For international enquiries, please visit: [www2.oregonscientific.com/about/international/default.asp](http://www2.oregonscientific.com/about/international/default.asp)

### FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the conditions that this device does not cause harmful interference.

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user 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 product meets the applicable Industry Canada technical specifications.**

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.

#### CONSUMER INFORMATION

- This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the **bottom** of this equipment is a label that contains, among other information, a product identifier in the format **US:KT5W400BCU328**. If requested, this number must be provided to the telephone company.
- An applicable certification jack Universal Service Order Codes (USOC) for the equipment is provided (i.e., **RJ11C**) in the packaging with each piece of approved terminal equipment. The mounting of the approval unit in the final assembly must be made so that the approved unit is isolated from exposure to any hazardous voltages within the assembly. Adequate separation and restraint of cables and cords have been provided
- A plug and jack used to connect this equipment to the premises' wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to connect to a compatible modular jack that is also compliant. See installation instructions for details.
- The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the device not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. [For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format **US:KT5W400BCU328**. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label].
- If this equipment CU328 causes harm to the telephone network, the telephone company

will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

- The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of this equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.
- Should you experience trouble with this equipment, please contact Oregon Scientific [www2.oregonscientific.com/service/support](http://www2.oregonscientific.com/service/support) or call 1-800-853-8883 for repair or warranty information. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
- Please follow instructions for repairing if needed (e.g. REPLACING THE BATTERY section); otherwise do not alter or repair any parts of THE device except where specified.
- Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

**NOTICE** If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this CU328 does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

**NOTICE** According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrester is recommended.

This equipment is to be supplied from an identified USB port complying with the requirements of Limited Power Source.

#### CAUTION

To maintain compliance with the FCC's RF exposure guidelines place the base unit at least 20cm from the nearby persons."

## DECLARATION OF CONFORMITY

"Hereby, Oregon Scientific declares that this Cube Phone (CU328) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service."



**2.4GHz Cube Phone With  
MP3 Player and FM Radio  
Model: CU328  
User Manual**