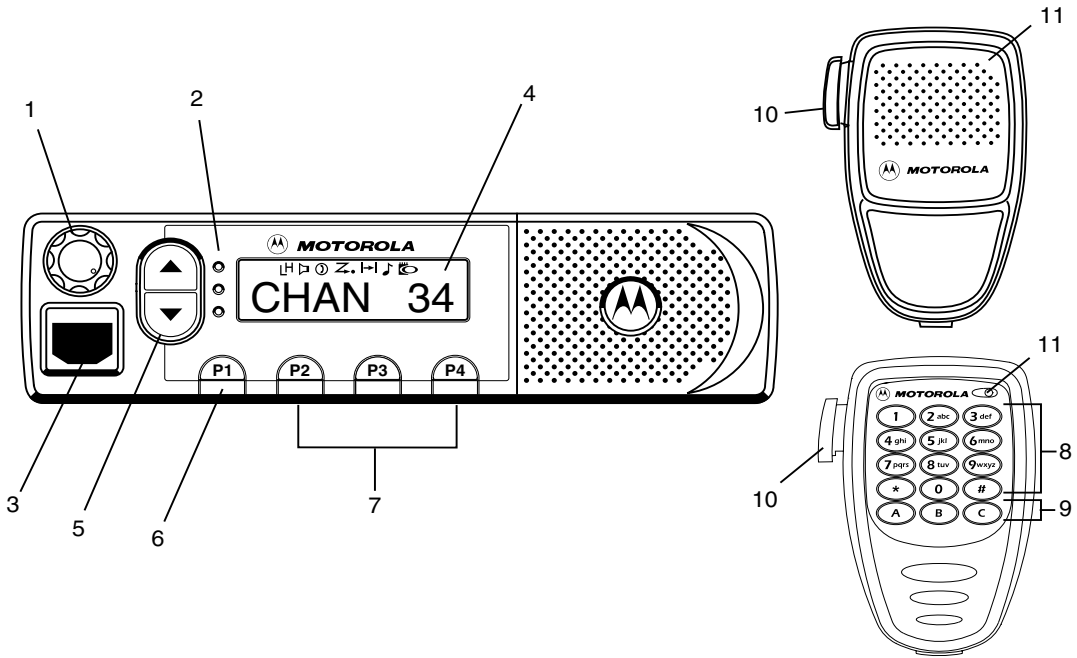
MOTOROLA
COMMERCIAL SERIES

MOTOROLA
intelligence everywhere™

BASIC USER GUIDE
CM340& CM360


1
2
4
MOTOROLA
CHAN 34
P1
P2
P3
P4
3
5
6
7
11
10
MOTOROLA
11
MOTOROLA
1
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
*
0
#
A
B
C
10
8
9

BASIC USER GUIDE

Contents

Radio Overview 2

Radio Controls 2
Microphone Controls 2
Audio Signal Tones 3
Programmable Buttons. 5
Menu Keys (CM360) 5
Menu Navigation Chart (CM360) 6
LCD Display and Icons (CM360) 7

Getting Started 8

Turning the Radio On-Off. 8
Adjusting the Volume 8
Radio On Message (CM360) 8
Radio On Indicator (CM340). 8
Selecting a Radio Channel. 9
Sending a Call 9
Making a Selective Call 9
Receiving a Call 10
Answering a Call 10
Cancelling a Call 10
Ending a Call 10

SAFETY INFORMATION

This user guide covers the operation of the CM360 and CM340 Mobile Radios.

Caution

Before using this product, read the operating instructions for safe usage contained in the Product Safety and RF Exposure booklet 6866537D37_ enclosed with your radio.

ATTENTION!

This radio is restricted to occupational use only to satisfy ICNIRP RF energy exposure requirements. Before using this product, read the RF energy awareness information and operating instructions in the Product Safety and RF Exposure booklet (Motorola Publication part number 6866537D37_) to ensure compliance with RF energy exposure limits.

Computer Software Copyright

The products described in this manual may include copyrighted computer programmes stored in semiconductor memories or other media. Laws in the United States of America and other countries preserve for Motorola Europe and Motorola Inc. certain exclusive rights for copyrighted computer programmes, including the right to copy or reproduce in any form the copyrighted computer programme. Accordingly, any copyrighted computer programmes contained in the products described in this manual may not be copied or reproduced in any manner without the express written permission of the holders of the rights. Furthermore, the purchase of these products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any licence under the copyrights, patents, or patent applications of the holders of the rights, except for the normal non-exclusive royalty free licence to use that arises by operation of the law in the sale of the product

RADIO OVERVIEW

Radio Controls

The numbers below refer to the illustrations on the inside front and rear covers.

1. **On-Off / Volume Knob**
   Used to turn the radio on or off, and to adjust the radio's volume.
2. **LED Indicators**
   Indicate radio status:
   Green: Solid during power up routine; Off after successful power up; flashing when scanning.
   Red: Solid when transmitting: flashing - channel is busy receiving.
   Yellow: Solid when radio is being called; flashing - group call reminder;
   double flash - individual call reminder.
3. **Mic Jack**

CM360 Radios

4. **LCD Display**
   An 8 character single line display with up to 8 radio status icons.
5. **Navigation up or down**
   Used for channel scrolling, menu navigation and scrolling menu lists.

6. **Menu Button** (P1)
   Used to access the menu and select the menu options.
7. **Programmable Buttons** (P2) (P3) (P4)
   Dual function buttons. Short press selects function 1; long press selects function 2.

CM340 Radios

4. **LCD Display**
   A single digit (0 to 9) display, shows the Channel number. The display also shows a dot to indicate High power selected.
   If Talkaround mode is selected, the channel number will flash when in "Talkaround".
5. **Up/Down key**
   Used for channel scrolling.

6. **Programmable Button 1** (P1)
7. **Programmable Button 2** (P2)

Microphone Controls

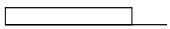
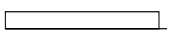
(Keypad Microphone - CM360)

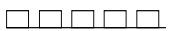
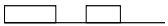
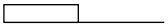
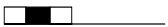
Hold the microphone 2.5 to 5 cm (1-2 inches) from your mouth, and speak clearly into it.

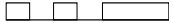
8. **Keypad**
9. **Programmable Keys** (A) (B) (C)
10. **Push-to-talk (PTT)**
    Press and hold down this button to talk; release it to listen.
11. **Microphone**

Audio Signal Tones

High pitched tone ☐ Low pitched tone ■

Tone	Signal	Description
Power up OK		Radio self-test OK.
Power up Fail		Radio self-test fail.
Button/ Keypad Error		Button/keypad key/ menu key press not permitted.
Engaged		Channel busy or not permitted to transmit.
Call Failed		Call failed to connect.
Force Monitor		Radio must monitor channel before transmission permitted.
Button Feature Enable		Any option button pressed to enable a feature.
Button Feature Disable		Any option button pressed to disable a feature.
Group Call		Radio receives a Group Call.

Tone	Signal	Description
Individual Call		Radio receives an Individual Call.
Call Reminder		Reminder of unanswered call.
TOT Pre-Alert		Warns of expiry of time out timer.
Monitor Alert		Alerts to change of squelch.
Voice Storage		Voice Storage-Recording. (**CM360**)
Voice Storage		Voice Storage-Warning. (**CM360**)
Voice Storage		Voice Storage-Full. (**CM360**)
Scan Start		Radio starts scanning.
Scan Stop		Radio stops scanning.
Priority Call Decode		Radio detects a priority call.
Priority Channel		Radio landed on the priority channel.

Tone	Signal	Description
Lone Worker		Reminds lone worker to respond.
Hardware Error		Hardware error, tone continues until valid operation.
Cancel Message		Previous message or message currently being played from Voice Storage has been deleted.
Channel Free Beep		Indicates current channel is free.
Incoming Emergency Alert		Indicates an emergency situation.
Keypad Acknowledge		Confidence tone when any key pressed.
Call Stacked		Indicates that call has been stacked. Sounded on calling radio.
Ringtones	English/French/ General	Incoming calls (high tones), outgoing calls (low tones).

Programmable Buttons

Several of your radios keys and buttons can be programmed, by Customer Programming Software (CPS), as short -cut buttons for many of the radio's features. Programmable buttons include:

CM360 P2 P3 P4

CM340 P1 P2

Keypad microphone A B C

Each button is dual function; a short press may select one function, a long press may select the second.

Check with your dealer for a complete list of the functions your radio supports.

Menu Keys (CM360)

Menu Select Key P1

The P1 button is dedicated to Menu access and menu option selections.

- **Short press** P1
  Used to enter the Menu Mode. When in Menu Mode, this key is also used to make menu selections.
- **Long press** P1
  Normally used to move up to the next higher Menu level. When the top level menu is selected, this key is used to exit the Menu Mode.
- However when in the bottom level menu (e.g.contact list, status multicall entry), this key selects the entry.
- The radio also exits the Menu Mode after an "Inactivity Time" timeout.

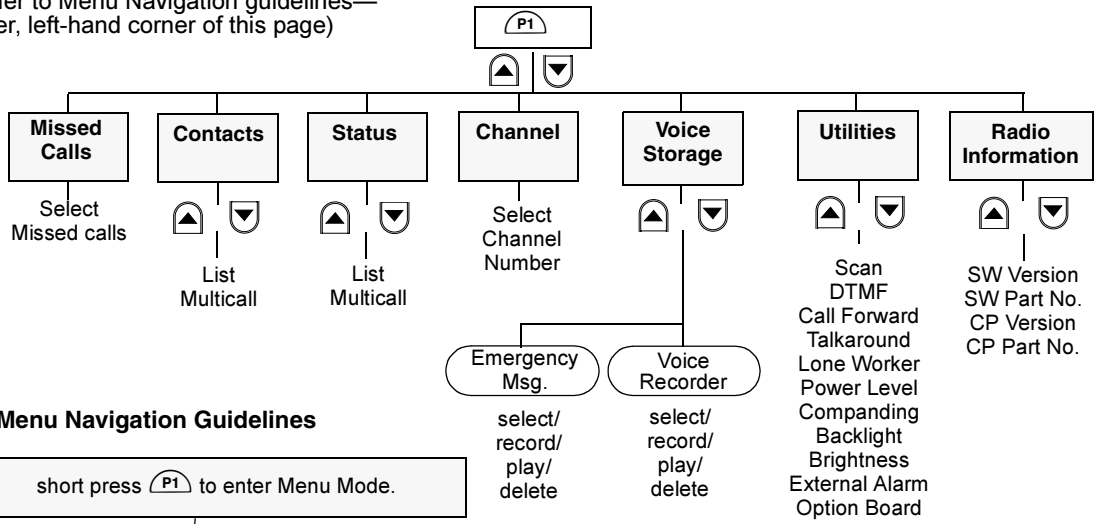
Up /Down Navigation Keys ▲/▼

Used to scroll when in Menu Mode.
Increment/decrement channel number or scroll contact and status lists.

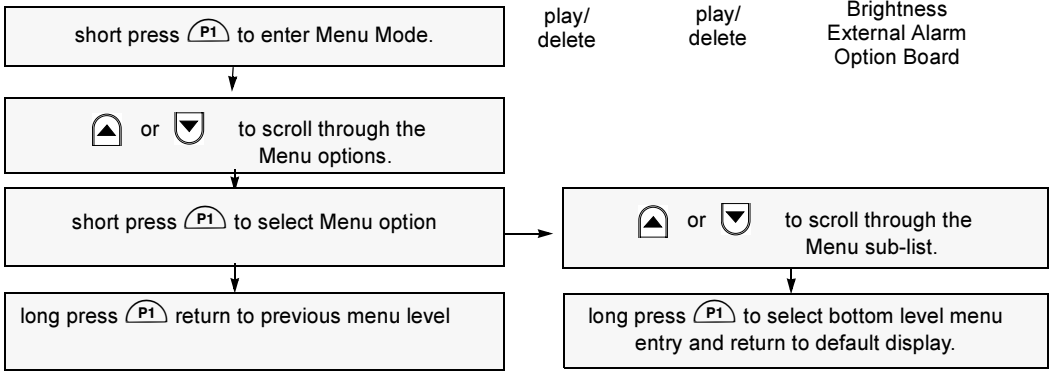
Refer to the menu navigation chart for menu selectable features.

MENU NAVIGATION CHART (CM360)

(Refer to Menu Navigation guidelines—
lower, left-hand corner of this page)



Menu Navigation Guidelines



LCD DISPLAY AND ICONS (CM360)

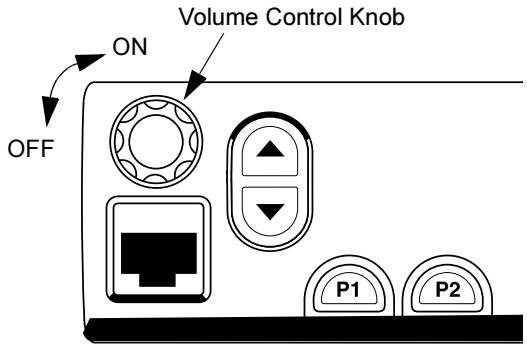
Displays radio Status, Addresses or Channel, on one line of 8 characters. The top line of the display shows radio status icons, explained in the table below:

Symbol	Name and Description
	Option Board Indicator Indicates that an option board is fitted in the radio.
	Voice Recorder Indicator Flashing indicates that there are stored messages or memos in the voice recorder.
L H	**Power Level Indicator** "**L**" lights when your radio is configured to transmit in Low Power. "**H**" lights when your radio is configured to transmit in High Power.
	Monitor Indicator On indicates carrier squelch. Off indicates signalling squelch.
	Scan Indicator Indicates that you are scanning. The dot is lit during priority scan mode when scan has landed on priority channel.
	DTMF Indicator Indicates DTMF is enabled.
	Missed Call Indicator On indicates call in list. Off indicates no calls in list. Flashing, indicates new call in list.
	Talkaround Indicator Indicates talkaround enabled.

Note: At extremely low temperatures, you may experience a slight delay in displaying new information. This is normal and does not affect the function of your radio.

GETTING STARTED

Turning the Radio On/Off



ON	OFF
Rotate the **On/Off/ Volume Control** knob clockwise until you hear a click.	Rotate the **On/Off/ Volume Control** knob counterclockwise until you hear a click. The display clears and the LED indicators turn off.

Adjusting the Volume

Turn the **On/Off/Volume Control** knob clockwise to increase the volume, or counterclockwise to decrease the volume.

Radio On Message (CM360)

At power up the radio may display a message customised by your dealer, e.g.:

RADIO ON

After this text has been displayed, the radio performs a self test routine. During the routine the Green LED lights. On completion of a successful self test the radio produces the Self-Test pass Tone, the Green LED indicator goes out and the display shows the channel that was in use at power down, typically:

CHAN 35

This may be a number or an alias and will be the current channel.

Radio On Indication (CM340)

At power up the radio performs a self test routine. During the routine the Green LED lights. On completion of a successful self test the radio produces the Self-Test pass Tone, the Green LED indicator goes out and the display shows the Channel that was in use at power down.

If the radio fails the power up routine the power up fail tone sounds and the error number is displayed.

Note: If your radio fails the self test routine, record the error number and consult your dealer.

Selecting a Radio Channel

Your radio offers up to 100 channels (CM360), 10 channels (CM340), however some may not be programmed. Check with your dealer for more information.

Press ⏶ to increment the Channel number or ⏷ to decrement it.

Using a Memory Channel button

A programmable button may be pre-programmed by your dealer as a Memory Channel button, allowing you quick access to a frequently used channel. A press of the button will take you to the assigned channel.

Using the Microphone Keypad (CM360) (If programmed)

Enter the desired channel number on the keypad.

Press **#** on the keypad or a short press on P1 (CM360 only) selects the channel.

Sending a Call

1. Select the desired radio channel.
2. Press the **PTT** button and speak clearly into the microphone.Your mouth should be 2.5 to 5 cm away from the microphone.
3. When transmitting, the red indicator will light continuously.
4. Release the **PTT** button to listen.

Your radio may be configured for 'Transmit Inhibit' under certain conditions (e.g. when the channel is in use by others) in which case, the channel busy tone will sound when you press the PTT or call button to indicate that transmission is inhibited.

Making a Selective Call

You can make a selective call to a particular radio, known as an individual call, or a group of radios, known as a group call.

You can make calls by using the **Contact List**, the **Missed Calls List** or **Manual Dialling** (using the keypad microphone).

Receiving a Call

1. Turn your radio on and adjust the volume level.
2. Switch to the desired radio channel.
3. If, at any time, a call is received you will hear the call at the volume level you have set.

Note: The system may have a limited call time and the call may be terminated automatically if this call time is exceeded.

Answering a Call

1. Press the PTT button or Call button.
2. The call will terminate automatically when the conversation has ended or you press the Monitor button.

Cancelling a Call

At any time while setting up a call, it may be cancelled by pressing the Monitor/Call Cancel button, or replacing the microphone in its holder (referred to as going “on hook”) . The call timer can also cancel a call.

Ending a Call

A call should always be ended by pressing the Monitor/Call Cancel button, or replacing the microphone in its holder.