MOTOROLA

User's Guide

TALKABOUT™
TWO-WAY RADIO
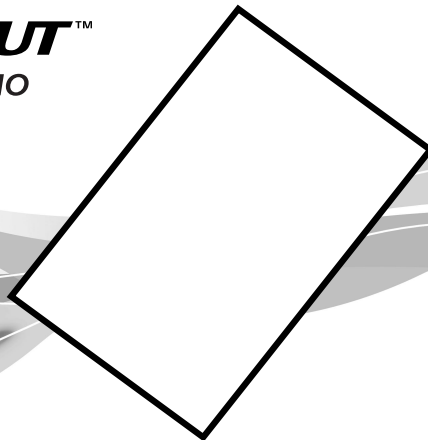
Models T6300, T6310 and T6320

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Getting Started

Hi, I'm QuickStart and I'm going help you get started.

The Motorola® TalkAbout™ T6300 radios are durable two-way radios that allow you to keep track and stay connected to family, friends and companions. And, when you use the special scrambling option, you can be sure that your group's communications stay private.

But, the T6300 radios offer more than just a way of keep in touch. They also help you and your group stay on schedule because a clock, an alarm and a stopwatch is built into each model.
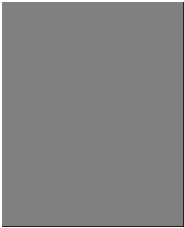
The TalkAbout T6310 is a stylish, sophisticated two-way radio that offers FM stereo reception and weather information. It's fun and cool, a great accessory to take to the beach.

The Talkabout T6320 is rugged and sporty with special features to help you navigate the great outdoors. In addition to weather information, it offers a compass, an altimeter and a barometer.

Accessories ???

But, they all have something in common -- they are all easy to use. Just take a few minutes to read this user's gude and you're ready to go.

A detachable Quick Reference Card is on the back cover.

Installing AA Batteries

Your radio uses 3 AA-size alkaline batteries. When the battery is low, *appears on the standby screen.*

((Does the radio emit a Low Battery Alert)

To install the batteries:

First	Then	Finally
• Turn off the radio (see page ?). • Push latch up until it clicks. • Lift back cover off.	• Remove old batteries, if necessary • Insert new batteries ??? polarity???	• Hook back cover on the hinges. • Close battery door, pressing lightly until latch clicks

Using the NIMH Battery and Charger

Your T6300 two-way radio can use a variety of Motorola power accessories. See "Accessories on page XXX" for more information.

An NiMH battery kit, consisting of the NiMH battery, adapter and charger, is included with some T6300 radios as well as sold separately as an accessory.

The (Nickle-Metal Hydride) NiMH rechargable battery provides about 11 hours of normal use. Charge it for at least five hours before using it for the first time. The NiMH battery will only need 3 hours of charging thereafter.

Installing the NIMH battery:

First	Then	Finally
• Turn off the radio (see page ?).	• Insert the NiMH battery with the contacts facing up	• Hook back cover on the hinges.
• Push latch up until it clicks.		• Close battery door, pressing lightly until the latch clicks
• Lift back cover off.		

Charging the NiMH battery;

First	Then	Finally

- Turn off the radio (see page ?).
- Plug the charger into a AC wall outlet

- Clamp the adapter onto the connectors on the back of the radio

- When the LED turns green, the battery is fully charged.

Note: The NIMH battery may be charged outside the radio by clamping the adapter directly on the battery.

Reading the LED light
The LED light indicates battery charging status.See "Charts" on page XXX for more information.
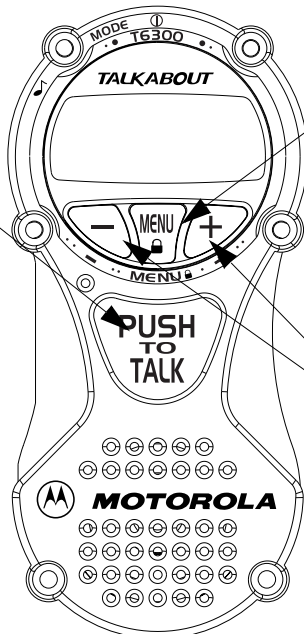
Controls -- Front View

Use [PUSH TO TALK] to --

• Talk on the radio, etc.

??Microphone

??Speaker

??? Display

FM features

Use [MENU] to --

• To choose a menu

• To scroll through sub-menu choices

Use [−] and [+] to --

•Move up and down the a submenu, etc.

•Change a number

Controls -- Back View

Use ① to --

• Turn power on/off

Use . • to --

•Scroll through the menu

Use ♪ to --

• Start and stop stopwatch

• ????

Accessory port

• Use to connect two-way radio accesories, such as ???

FM port

• Use to connect FM radio accessories, such as

• T6310 model only

Charger Connectors

• Use to connect the charger to the battery.

Turning On Your Radio

What about hide clock display???

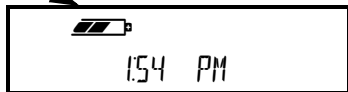| Press	To Display	Then Press
①	MOTOROLA	???does an alert sound, can it be turned off by pressing anything else? any icons always appear, or do all of them.

Standby Screen

Your radio displays the standby screen whenever it's turned on and nothing else is happening.

Most actions described in this guide start on the standby screen. It's very important!
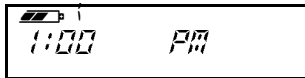
Battery Status

1:54 PM

Time

Two-Way Menus

You can use your radio's menus to select options and set features. Let's look at them now. From --

```
 1:00    PM
```

Press	To Display	Then Press
.• and release until you see each menu	TWO WAY	
	FM STEREO	
	TIME	
	STPWATCH	

Press	To Display	Then Press
. • and release until you see each menus	WEATHER	
	SETTINGS	

FM STEREO *only avaible on the T6310.* WEATHER *is only available on models T6310 and T6320. The T6320 also features a compass, an altimeter and a barometer.*

Turning Off Your Radio

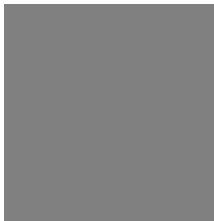*To turn off your radio, just press ①. The screen then goes blank.*

Backlight

Being in the dark is never a problem. Just turn on the backlight by pressing any button, except the 🔲(PUSH TO TALK) *.*

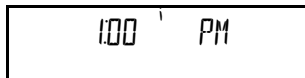*The backlight turns off automatically. To extend the backlight, you press the button again.*

You light up my radio ....

Time

Here's how to set the time. **From --**

```
         1:00  '   PM
```

Press	To Display	Then Press
. • until SET TIME appears	TIME	⌨ to enter menu
⌨	SET TIME	◁ or ▷ to select
◁ and ▷ to set the hour -- making sure to note AM/PM	3:00 AM	⌨ to move to next field
◁ or ▷ to set the minutes	3:56 PM	?? to set

Showing your clock display

??? do we want to include this???
Choosing a 12 or 24 hour display
??? do we want to include this???

Alarm

Here's how to set the alarm. **From --**

	1:00 ` PM
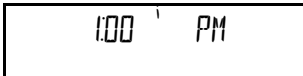
Press	To Display	Then Press
. • until TIME appears	▰▰▰ TIME	🖳 to enter menu
🖳 until SET ALARM appears	▰▰▰ SET ALARM	⊖ or ⊕ to select
⊖ and ⊕ to select ALARM ON (or ALARM OFF)	▰▰▰ 3:00 AM	🖳 to set
⊖ and ⊕ to set hour	▰▰▰ 3:56 PM	🖳 to move to next field
⊖ and ⊕ to set the minutes	▰▰▰ 3:56 PM	?? to set

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"I'm all shook up."

Your alarm will now go off at the set time every day.

Your standby screen shows ?? to indicate the alarm is activated

Alarm set


```
▱▱▰    3:56    PM
```

Turning Off the Alarm

When the alarm sounds -- **TURN IT OFF ---- PLEEASE!!!**
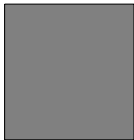
By????

??screen displays??

Alerts

You can program how your radio alerts you when a call comes in.

VIB ONLY *-- your radio vibrates but doesn't make any loud noises.*
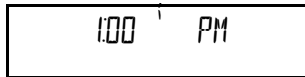
RING *-- your radio RINGS when a call comes in.*

VIB+RING *-- your radio vibrates and RINGS when a call comes in.*

OFF *- your radio doesn't alert you when a call comes in.*

Here's how to set the alert. **From**

1:00 '	PM

Setting the Alert for Incoming Calls

Press	To Display	Then Press
. • until SETTINGS appears	SETTINGS	🔲 to enter menu
🔲 until SET VIB appears	SET VIB	⊖ or ⊕ to enter menu
⊖ and ⊕ until your choice of alert appears	VIB ONLY	??? to select
	RING	
	VIB RING	
	OFF	

Talking

Before You Can Talk

You know how you can't really, REALLY talk to someone else unless you are both "on the same wavelength." and no one's interrupting?

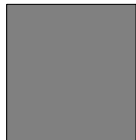*Well, you can't talk with someone else on your two-way unless you are both on the channel and the same interference eliminator code.*

The channel is the radio frequency wave you use to transmit. See "Charts" on page XXX for channel choices.
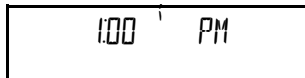
The interference eliminator code filters out static, noise and unwanted messages. See "Charts" on page XXX for channel choices.

Setting the Channel

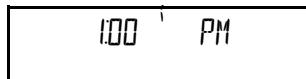*Set the channel like this. ??? after setting the channnel and code, a screen flashes -- what's this about???***From --**
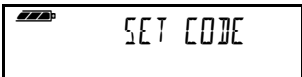
```
1:00 ' PM
```

Press	To Display	Then Press
.• until `TWO WAY` appears	`TWO WAY`	🔘 to enter menu
🔘 until `SET CHAN` appears	`SET CHAN`	🔽 or 🔼 to enter menu
🔽 and 🔼 until your choice of channels displays **Note:** Only the channel scrolls, the code just repeats the number.	`11    0` channel code	**?? to set** **Note:** If the sound isn't clear, change the channel/code setting.

Setting the Code
From --

```
1:00 ' PM
```

Press	To Display	Then Press
. • until TWO WAY appears	TWO WAY	🔘 to enter menu
🔘 until SET CODE appears	SET CODE	🔄 or �️ to enter menu
🔄 and ⏍ until your choice of code displays **Note:** Only the code scrolls, the channel stays the same.	11　　0 channel　code	**?? to set** **Note:** If the sound isn't clear, change the channel/code setting.

???how does someone know which channel/code to choose??

Turning On the Monitor

The monitor function allows you to eavesdrop on a channel so you can tell whether it's currently being used. **From --**

```
            I.00 '  PM
```
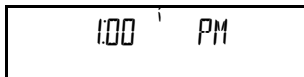
Press	To Display	Then Press
. • until TWO WAY appears	TWO WAY	📖 to enter menu
📖 until SET MON appears	SET MON	▽ or ⊕ to enter
▽ or ⊕ until MON ON appears	MON ON	??? to set

Note: To deactivate the monitor feature, select MON OFF. ???Any icon on screen, what happens if the user doesn't turn it on???

Talking

Can we talk? Well, you're almost ready. Just a couple things more -- but they're super easy.

First -- check to see if the channel your group is using is clear. Just press? -- if you hear static, its clear. If not, change channels.

Next, adjust the volume -- press ◁ and ▷ until it's just right.
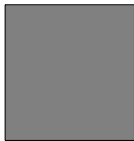
Now talk -- press (PUSH TO TALK) and talk.? to finish the call do???? does anything happen while its transmitting - LCD glowing, etc.

Hands Off Use

Explain features and benefits. **From --**

```
 1:00  '  PM
```

Press	To Display	Then Press
.• until 5ETTINGS appears	5ETTINGS	🖰 to enter menu
🖰 until 5ET VOX appears	5ET VOX	⊖ or ⊕ to enter
⊖ or ⊕ until VOX ON appears	VOX ON	??? to set

Note: To deactivate Hands Off use, select VOX OFF. Icon on screen, any other indication on radio???.

Setting the Vox-Sensitivity Level

The Vox sensitivity levels allow you to compensate for background noise. **From --**

```
            I:00  `  PM
```

Press	To Display	Then Press
.• until SETTINGS appears	SETTINGS	🔘 to enter menu
🔘 until SET SENS appears	SET SENS	⊖ or ⊕ to enter
⊖ or ⊕ until your choice of sensitivity level appears	VOX HI	??? to set?? icon on screen

You can choose options VOX LO, VOX MED, and VOX HI. VOX MED is recommended for most situations, although you may need to experiment until you get the right setting.

Privacy
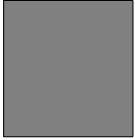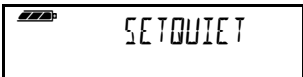
We all need to keep our conversations private. TalkAbout T6300 two-radio have some nifty features for making sure of this.

Set Quiet

The Set Quiet function prevents any two-way radio that is not a T6300 from????? This is great because????

From --

1:00 ' PM

Press	To Display	Then Press
.• until SETTINGS appears	SETTINGS	🖉 to enter menu
🖉 until SETQUIET appears	SETQUIET	⊖ or ⊘ to enter
⊖ or ⊘ until QUIET ON appears	QUIET ON	??? to set

Note: To deactivate the Set Quiet feature, select QUIET OFF. ???Any icon on screen, what happens if the user doesn't turn it on???

Setting a Scramble Code
From --

$$1:00 \quad PM$$
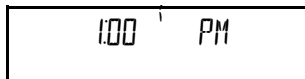
Press	To Display	Then Press
. • until TWO WAY appears	TWO WAY	🔘 to enter menu
🔘 until SETSCRAM appears	SETSCRAM	⊖ or ⊕ to enter
⊖ or ⊕ until your choice of scramble code appears **Note:** Scramble codes 1 through 4 are available.	SCRM 1	??? to set **Note:** Choose SCRM OFF to deactivate scramble.

Note: Any icon on screen,

Privacy

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Stop Watch

You can time your activities by using the stopwatch on your radio.

You can use your stopwatch to time your calls.
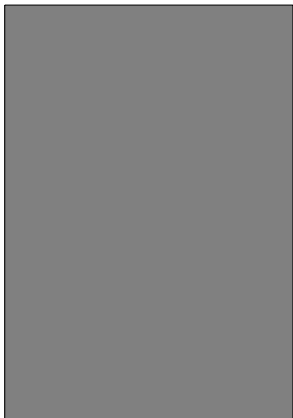
Timing Your Activities

From --

		1:00 PM

Press	To Display	Then Press
.• until SETTINGS appears	▰▰▰ SETTINGS	📋 to enter menu
📋 until STPWATCH appears	▰▰▰ STPWATCH	
♪ to begin stopwatch	▰▰▰ 00:00:00	♪ to stop

Note: To reset the stopwatch ???

Timing Your Call

You can also time your calls. This is useful because????

While talking

Press	To Display	Then Press

Note: To reset the stopwatch ???

Weather (T6310 & T6320)

You won't find yourself stuck in the rain, or snow, or hail when you tune in to your radio's weather channel.

Your two-way radio receives seven weather channels?????

???Provide info and benefits??

It even alerts you when a new weather advisory is received.

The weather channel is only available on models T6310 and T6320. Other restrictions???/

Turning On the Weather

First off -- you have to "turn on" the weather. No that doesn't mean you need to get a rainmaker or call Mr. Freeze. You have to activate the reception of weather channels on your radio. Here's how. **From --**

```
 1:00 ' PM
```
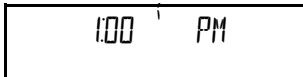
Press	To Display	Then Press
. • until *WEATHER* appears	▰▰▰ *WEATHER*	🔲 to enter menu
🔲 until *SET WEA* appears	▰▰▰ *SET WEA*	⊝ or ⊕ to enter
⊝ or ⊕ until *WEA ON* appears	▰▰▰ *WEA ON*	??? to set

Note: To deactivate weather channel reception, select *WEA OFF*.

Setting the Weather Channel

Your radios can tune in to seven different weather channels. (Explain channels briefly) From --
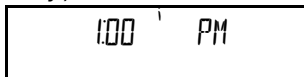
```
 1:00 `  PM
```

Press	To Display	Then Press
.• until WEATHER appears	WEATHER	🔘 to enter menu
🔘 until SET CHAN appears	SET CHAN	⊖ or ⊕ to enter menu
⊖ and ⊕ until your choice of weather channel appears.	CHAN 1	?? to set

??does the radio emit a sample of each channel as it scrolls through. Does an icon appear on the standby screen???

Setting the Alert for Weather Advisories

You can also program your 2way radio to alert when there's a new weather advisory. Here's how. **From --**

```
  1:00 '  PM
```

Press	To Display	Then Press
.• until WEATHER appears	WEATHER	🔳 to enter menu
🔳 until SET ALERT appears	SET ALERT	⊖ or ⊘ to enter
⊖ or ⊘ until ALERT ON appears	ALERT ON	??? to set

Note: ??what alert sounds??, does the standby screen change.

FM Stereo (T6310)

Your T6310 has an FM radio, to let you tune in and tune out, stay cool and hip wherever you go.

Your radio allows you to search for FM stations in the area.

Advanced features allow you to preset FM stations and tune the receiver for better reception.

The FM stereo reception is only available on the T6310 model. Other restrictions???/ does the stereo headset come with the T6310 or sold separately????

Turning On the FM

Turning the radio is easy here's how.????can the user still receive messages???. **From --**

```
         1:00  '  PM
```
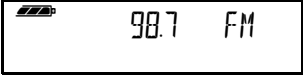
Press	To Display	Then Press
.• until FM STEREO appears	FM STEREO	📟 to enter menu
📟 until SET FM appears	SET FM	⟨ or ⟩ to enter
⟨ or ⟩ until FM ON appears	FM ON	??? to set

Note: To deactivate FM stereo reception, select FM OFF. ANY ICON ON SCREEN, HEADSET??

Finding an FM Station

Finding a cool station when you are in a new area is easy with your radio's SEEK FM feature. It scans the airwaves for active radio stations, stopping at each one. **From --**

```
 I:00  '  PM
```
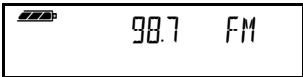
Press	To Display	Then Press
.• until FM STEREO appears	FM STEREO	🔘 to enter menu
🔘 until SEEK FM appears	SEEK FM	◌ or ⊕ to enter menu
◌ and ⊕ until your choice of stations appears **Note:** Your radio plays each stations as it scans it.	SRCHING 98.7 FM	?? to set **Note:** ??? any change to standby screen.

Tuning Your FM

This feature allows you to change the FM radio station setting by increments of.2. This benefits the user how????

From --

		1:00 ` PM

Press	To Display	Then Press
.• until FM STEREO appears	▱ FM STEREO	🖳 to enter menu
🖳 until TUNE FM appears	▱ TUNE FM	ᗒ or ᗕ to enter menu
ᗒ and ᗕ until reception is clearest	▱ 98.7 FM	?? to set

Note: Any change to the standby screen, any icons flashing, etc.

Preset FM Stations

?????how does this work??? describe feature and benefit briefly??/

????The Set2Way command -- is this something that allows you to receive calls and play the radio??

Outdoors (T6320)

Barometer

Altimeter

Compass

Advanced Two-Way
Roger Beeps

Roger -- Over. Whenever you turn on the Roger Beep feature, your two-way radio will beep when you finish transmitting. It's like saying "Roger--Over" Here's how.

From --

```
    1:00  '   PM
```
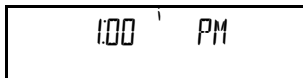
Press	To Display	Then Press
. • until SETTINGS appears	SETTINGS	📟 to enter menu
📟 until SETROGER appears	SETROGER	◁ or ▷ to enter
◁ or ▷ until ROGER ON appears	ROGER ON	??? to set

Note: To deactivate the Roger beeps, select ROGER OFF. ???Any icon on screen, is it the same alert chosen before or a different sound?

Button Beeps

The button beeps feature makes the radio alert every time you press a button. That way you can tell if your action 'took.' **From --**

```
 1:00 '   PM
```
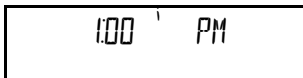
Press	To Display	Then Press
.• until SETTINGS appears	SETTINGS	🖉 to enter menu
🖉 until SET BEEPS appears	SET BEEPS	⊖ or ⊕ to enter
⊖ or ⊕ until BEEPS ON appears	BEEPS ON	??? to set

Note: To deactivate the button beeps, select BEEPS OFF. ???Any icon on screen, is it the same alert chosen before or a different sound?

Automatic Shut Off

You can program your radio to turn it off after a certain time of inactivity. Here's how. **From --**

	1:00 ' PM	

Press	To Display	Then Press
.• until *TWO WAY* appears	TWO WAY	🔘 to enter menu
🔘 until *SET PWR DWN* appears	SET PWR DWN	⊖ or ⊕ to enter
⊖ or ⊕ until your choice of scramble code appears **Note:** You can choose *HOURS 0 -- 7.*	HOURS 3	??? to set **Note:** Choose *HOURS - -- -* to deactivate automatic shut off.

Note: Any icon on screen,

Reset

Key Pad Locks
Menu Lock

Make sure your settings won't be changed accidentally. Just turn on the menu lock by pressing 🔳 for 3 seconds.

Locked Screen 🔒 displays

```
1:00 🔒 PM
```
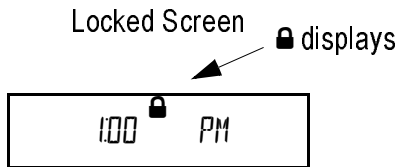
Note: Deactivate by????

Child Lock

??? Need more information -- how is it different from the menu lock??

activated by pressing 🔳 for 10 seconds, deactivate how?? icon on screen???

Channel Scanning

Well, what about when you just want to find other transmitting two-way radios and strike up a conversation.

Hard to do 'cause you don't know their channels or codes. But, don't worry with your TalkAbout two-way radio you won't be lonely.

By using the Scan feature, you can monitor channels and codes for transmissions and lock in on the one your are interested.

You don't have to set a new channel or code, the radio just resets itself and you start talking.

Here's how it works.

Turning on Channel Scanning

But, first you have to turn it on.

From --

```
 1:00  '    PM
```
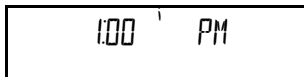
Press	To Display	Then Press
. • until SETTINGS appears	SETTINGS	📟 to enter menu
📟 until SET SCAN appears	SET SCAN	◁ or ⊘ to enter
◁ or ⊘ until SCAN ON appears	SCAN ON	??? to set

Note: To deactivate the Set Quiet feature, select SCAN OFF.???Any icon on screen, what happens if the user doesn't turn it on???

Scanning

Scanning is easy. Just press??? and your Talk-About will start scanning channels and codes. *This screen will flash to let you know that the scanning function is working.*

Scanning Screen

Scanning Icon?

```
┌─────────────────────┐
│ ▰▰▰▱        SCAN     │
└─────────────────────┘
```

To lock on a channel???/

Note: If you want to scan channels without Interference Eliminator Codes, change your code to zero. See Setting the Code on page XXX for more information.

Scan List -- does this feature apply???? Any other scanning screens -- there seems one that comes on and off on my unit??/
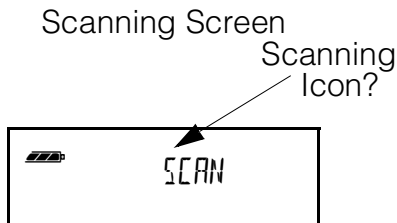
Call Tone

It's so important for your companions to know you are calling.

Your TalkAbout Two-Way radio has 10 call tones to identify the sender and alert the receiver.
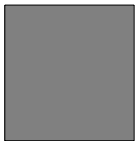
Just press ?? before you start talking and the radio will transmit a unique sound to others on the same channel and code.
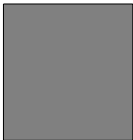
Can user have different call tones for each channel, what sound is it???If alert tones are disabled ---

Turning on Call Tone

From --

$$1:00 \quad ' \quad PM$$

Press	To Display	Then Press
.● until `TWO WAY` appears	`TWO WAY`	📟 to enter menu
📟 until `SET CALL` appears	`SET CALL`	◁ or ▷ to enter
◁ or ▷ until your choice of call tone appears **Note:** Call tone codes 1 through 10 are available.	`SET    1`	??? to set

Note: ????Does the radio emit a sample of the call tone. Any icon on screen, how to deactivate call tone?

Use and Care

Talking Range
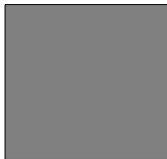
Not less than 5 feet apart

Or more than two miles apart

Harder if obstacles in the way

Care and Maintenance

Clean with soap and water on a soft cloth

Do not immerse in water.

Do not use alcohol or cleaning solutions.

If the radio gets wet...

Turn it off and remove batteries.

Dry with soft cloth.
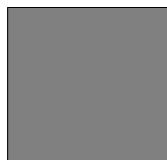
Do not use until completely dry.

Contact Information.

Repairs -- Phone #s

Warranty -- Phone #s

Questions Phone #s.

Attaching the Belt Clip

Your radio comes with a belt clip for easy carrying. To attach the belt clip:

First	Then	Finally
• Squeeze the clip as shown.	• Insert into the accessory connector on the back of the phone.	• Release clip.

FAQs

???? see suggested list below???

Question: *The radio doesn't power up.*

Answer: *Reposition or replace alkaline batteries.*
Recharge or replace NiMH battery

Question: *Message not transmitted?*

Answer: *Make sure 🔘 fully depressed while talking*
Reposition, replace or recharge batteries.

Question: *Message not received.*

Answer: *Make sure that radios have same channel and codes*
Change your location
Reposition, replace or recharge batteries.
Make sure volume is turned up.
Make sure 🔘 is not pressed.

Question: *Hearing Noise or Another Conversation*

Answer: *Make sure Interference Eliminator Code is set*

Try another Channel or Code

Question: *Talk range is limited*

Answer: *Check for obstacles and interference. Move to clear sight position.*
Don't wear radio close to body.

Question: *Hearing heavy static or interference.*

Answer: *Radios too close -- move to at least 5 feet apart.*
Radios too far away -- can't be more than 2 miles apart
Change location -- make sure no obstacles in the way.

Question: *Channel Code is locked*

Answer: *Unlock it. How???*

Question: *Low Batteries*

Answer: *Replace or recharge batteries.*

Accessories

TalkAbout T6300 series radios have specially designed accessories to improve the quality of use -- these are ---

NiMH battery

NiMH battery upgrade kit

Ear piece with Boom Mic	Comfortable, lightweight headset eliminates background noise and makes it easy to use hands off transmission
Bike Mount	?is this the helmet accessory??
Vehicular Power Adapter	?? is this the cigarette lighter adapter??/

Arm Pack/Belt Carry Case

??? Are these the correct names?? Which are included with the radio??

In addition, TalkAbout T6300 radios can use other Motorola TalkAbout accessories, including --

-

Remote Speaker Mic

Headset with Swivel Boom
Mic

Earbud   Discreet, lightweight ear piece that fits com-
                                fortably inside the ear. Allows clear reception
                                without disturbing others.

Earbud with PTT Mic   The above with a hand-operated lapel or col-
                                lar mounted microphone.

Flexible Ear Receiver   ?? is this the cigarette lighter adapter??/

Waterproof Bag

*Call 1-800-353-2729 for more information on how to order or visit our
web site at www.motorola.com*

Charts

The channel/frequency and Interference Eliminator Code charts on these pages provide frequency and code compatibility information. These charts are useful when using TalkAbout two-way radios with other two-way radios.

Channel Frequency Chart			
Channel	**MHz**	**Channel**	**MHz**
1	462.5625	8	467.5625
2	462.5875	9	467.5875
3	462.6125	10	467.6125
4	462.6375	11	467.6375
5	462.6625	12	467.6625
6	462.6875	13	467.6875
7	462.7125	14	467.7125

Interference Eliminator Code Chart

TalkAbout Code	Hz Freq	7/7x Code	TalkAbout Code	Hz Freq	7/7x Code
1	67.0		11	97.4	C
2	71.9		12	100.0	
3	74.4		13	103.5	
4	77.0	A	14	107.2	
5	79.7		15	110.9	
6	82.5		16	114.8	
7	85.4		17	118.8	E
8	88.5	B	18	123.0	
9	91.5		19	127.3	F
10	94.8		20	131.8	

Charts

Interference Eliminator Code Chart

TalkAbout Code	Hz Freq	7/7x Code	TalkAbout Code	Hz Freq	7/7x Code
21	136.5	G	30	186.2	
22	141.3		31	192.8	
23	146.2		32	203.5	
24	151.4		33	210.7	
25	156.7		34	218.1	
26	162.2		35	225.7	
27	167.9		36	233.6	
28	173.8		37	241.8	
29	179.9		18	250.3	

Note: Carrier Squelch (0) disables Interference Eliminator Codes. This allows you to monitor all activity on the channel you are using

Charts

Reading your LED light.

LED Color	Charging Status
Solid Red	Charging
Flashing Green	Almost finished
Solid Green	Fully charged
Flashing Red	Something wrong with battery
Flashing Yellow	Something wrong with temperature

Charts

Safety Information

Exposure to Radio Frequency Energy

The design of your Motorola two-way radio, which generates radio frequency (RF) electromagnetic energy (EME), is designed to comply with the following national and international standards and guidelines regarding exposure to human beings to radio frequency electromagnetic energy.

- FCC Report and Order FCC 96-325 (August, 1996)
- American National Standards Institute (C95-1 - 1992)
- National Council on Radiation Protection and Measurements (NCRP - 1986)
- International Commission On Non-Ionizing Radiation Protection (ICNRP - 1986.)
- European Committee for Electrotechnical Standardization (CEN-ELEC)
    - Env. 50166 - 1 1995E - Human Exposure to Electromagnetic Fields Low Frequency (0Hz to 10 kHz)

- Env. 50166 -2 1995E - Human Exposure to Electromagnetic Fields High Frequency (10kHz to 300 kHz)
- Proceeding of SC211/8 1996 - Safety Considerations for Human Exposure to EMFs from Mobile Telecommunications Equipment (MTE) in the Frequency Range 30 MHz - 6 GHz (EMF - Electromagnetic Fields).

To assure optimal radio performance and to ensure that exposure to RF energy is within the guidelines in the above standards, the following operating procedures should be observed:

- When transmitting with a two-way portable radio, hold radio in a vertical position with its microphone 2-3 inches (5.0 to 7.5 cm) away from your mouth.
- Keep antenna at least 1 inch (2.5 cm) from your head and body.
- If you wear a portable radio on your body, ensure that the antenna is at least one inch (2.5 cm) from your body when transmitting.

Electromagnetic Interference Compatibility
Nearly every electronic device is susceptible to electromagnetic

interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

- Turn your radio OFF in any facilities where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.
- Turn your radio off when on board aircraft when instructed to do so. Any use of the radio must be in accordance with airline regulations or crew instructions.

Damaged Antennas

Do not use the radio with a damaged antenna. If a damaged antenna comes in contact with the skin, a minor burn may result.

Batteries

All batteries can cause property damage and/or bodily injury or burns if a conductive material such as jewelry, keys or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a

pocket, purse or other container with metal objects.

For Vehicles with an Air Bag

Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to occupants of vehicle.

Potentially Explosive Atmospheres

Turn your radio OFF when in any area with a potentially explosive atmosphere, unless it is a type especially qualified for such use (for example, Factory Mutual Approved). Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Batteries

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

To avoid possible interference with blasting operations, turn your

radio OFF near electrical blasting caps or in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

Note: Areas with potentially explosive atmospheres are often, but not always, clearly marked. They include fuelling areas such as below deck on boats, fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other where you would normally be advised to turn off your vehicle engine.

Charging Safety Instructions
Before using the battery charger, read all instructions and cautionary markings on,

1. the battery
2. battery charger, and
3. the radio using the battery.

Caution
To reduce the risk of injury, charge only the rechargeable batteries listed. Other types of batteries may burst, causing personal injury

and damage.

Single-Unit Charger

Kit Number	Description
NTN8871	110V - NiMH Charging Adapter
NTN9150	110V - NiMH Charging Adapter

Batteries

Kit Number	Capacity in milliampere-hour mAH/ Descriptor/Composition
HNN 9720	750 mAH/T289/280 SLK/NiMH

???? I don't think these numbers are right???

Save these Instructions

1. Do not expose the charger to rain or snow.
2. Do not operate the charger if it has received a sharp blow, or has been dropped or damaged in any way.

3. Do not disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way.
4. Never alter the AC cord or plug provided with the unit. If plug will not fit the outlet, have proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
5. To reduce risk of damage to cord or plug, pull the plug rather than the cord when disconnecting charger from AC receptacle.
6. To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.
7. Use of an attachment not recommended or sold by Motorola may result in a risk of fire, electric shock, or personal injury.
8. Make sure that the cord is located so that it will not be stepped on, tripped over, or subjected to damage or stress.
9. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire and/or electric shock. If an extension cord must be used, make sure:
- That the pins on the plug of the extension cord are the same

- Number, size and shape as those on the plug of the charger.
- That the extension cord is properly wired and in good electrical condition, and
- That the cord size 18 AWG for lengths up to 100 feet, and 16 AWG for lengths up to 150 feet.
10. The supply cord of this charger cannot be replaced. If the cord is damaged, the charger should be discarded or returned to the point of purchase if within 90 days of purchase.

Computer Software Copyrights

The Motorola equipment described in this manual may included copyrighted Motorola computer programs stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted computer programs, including the exclusive right to copy or reproduce in any form the copyrighted computer program. Accordingly, any copyrighted Motorola computer programs contained in the Motorola equipment described in this manual may not be copied or reproduced in any manner without the express permission of Motor-

ola, Inc. Furthermore, the purchase of Motorola equipment shall not be deemed to grant either directly or by implication, estoppel, or otherwise any license under the copyrights, patents or patent applications of Motorola, except for the normal nonexclusive, royalty free license to use arising by operation of law in the sale of this product.

FCC License Not Required

Changes or modifications not expressly approved by Motorola may void the user's authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Patent Notice

This product is covered by one or more of the following United States

patents.

????? which patent numbers????

Export Law Assurances
This product is controlled under the export regulations of the United States of America and Canada. The governments of the United States and Canada may restrict exportation and re-exportation of this product to certain destinations. For further information, contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Personal Numbers

Just one more thing... You can use this page to keep track of important information, frequencies and codes.

Frequency / Codes   **????**

_____

_____

       ????   **????**

_____
_____
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