USERS GUIDE

For the

RPR 950 SERIES RADIO RECEIVER

Part No. 9261 - 9629 Version 2

CE

**This product complies with the requirements of the
European Radio Equipment Directive 2014/53/EU and the
RoHS Directive 2011/65/EU.**

**A full copy of the Declaration of Conformity and detailed
technical information for this product can be found at
www.multitone.com or from your Multitone representative.**

FCC & Industry Canada Compliance Statement

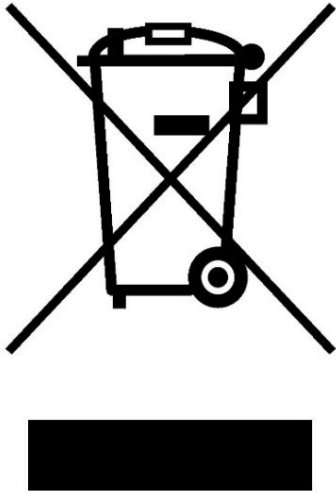This device complies with Industry Canada license-exempt
RSS standard(s).

Operation is subject to the following two conditions: (1) this
device may not cause interference, and (2) this device must
accept any interference, including interference that may cause
undesired operation of this device.

Any unauthorized modification of this equipment voids the
user's ability to operate the device within the scope of the
Industry Canada and FCC Part 15 Rules.

This device complies with Industry Canada license-exempt
RSS standard(s). Operation is subject to the following two
conditions: (1) this device may not cause interference, and
(2) this device must support
any interference, including interference that may cause
undesired operation of this device.

A complete technical specification of this product is
available from your Multitone representative.

Directive 2012/19/EU WEEE and product disposal

At the end of its useful life, this product should not be treated as household or normal waste. It must be handed over to an appropriate collection point for recycling of electrical and electronic equipment, or returned to Multitone or its representative for disposal.

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1. GENERAL INFORMATION

radio reception

Your pager has been designed to provide optimum performance within the transmission system coverage area. As with any other radio system, there are areas with poor coverage where signal reception may be sporadic or absent. If necessary, please consult your system administrator to familiarize yourself with these areas.

Hazardous areas

Standard versions of this page should not be used in areas with explosive or dusty atmospheres.
Intrinsically safe versions are offered for use in these environments, further information can be obtained from your distributor or directly from Multitone.

Pager maintenance

Protect your pager from liquids, extreme temperatures and strong magnetic fields. Do not leave your pager exposed to direct sunlight, for example, on a car dashboard or window sill.

Interview

If you need to have your pager repaired, return it to the designated repair agent or to Multitone Electronics. Do not attempt to open or repair it as it contains delicate components that require specialized test equipment.
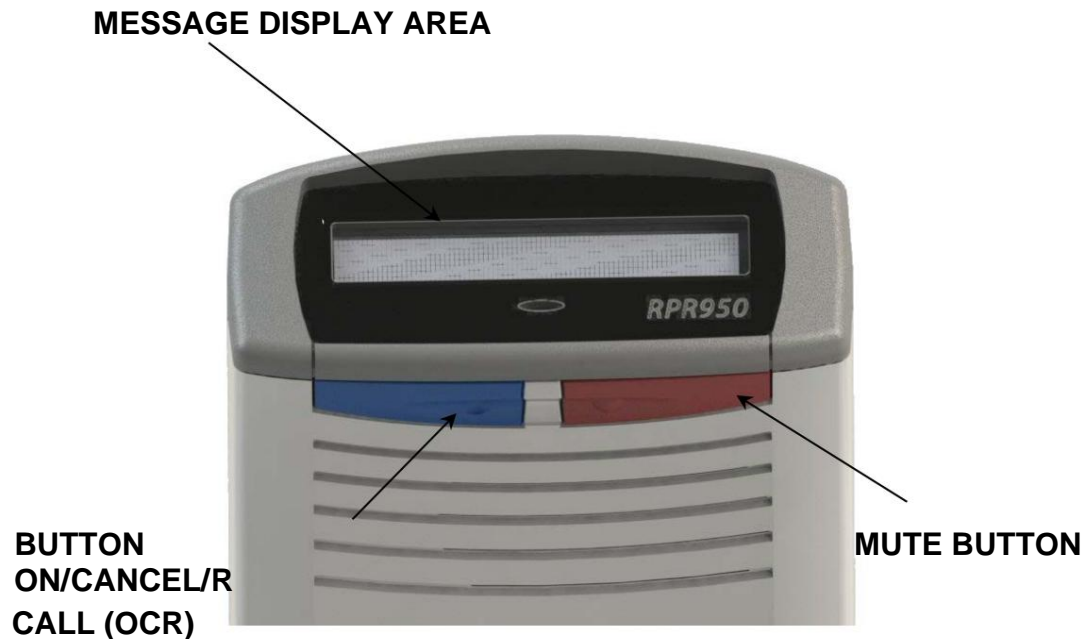Have repairs carried out exclusively by qualified persons in authorized workshops.

Carry your pager

Your pager is supplied with a removable clip which
has been specifically designed to fit a clip when used 'in the
pocket' or 'on a belt'. A removable elastic strap option is
also supplied with a metal hanging clip.

It can be used in conjunction with the clip or as a
separate attachment method.

2. CONTROLS AND DISPLAY

MESSAGE DISPLAY AREA

**BUTTON
ON/CANCEL/R
CALL (OCR)**

MUTE BUTTON

3. STARTING

To turn on your pager, press the Power/Cancel/
Redial (OCR) button once. The pager beeps briefly and goes
into self-test, which activates the LED, a message display,
and vibrates the motor. The pager then displays its address
and any optionally programmed messages when turned on. At
the end of this sequence, the display goes blank and
the pager enters standby mode, it is ready to receive calls by
displaying either:

| -- : -- |

no time

| 12:05 |

If your pager is programmed with the permanent ON option, the power-on sequence will automatically initiate when the battery is installed.

4. TURN OFF

To turn off your pager, press and hold the MUTE button and then press and hold the OCR button. The pager goes into "OFF" sequence and turns off after approximately 2 seconds. If you release and then press one of the two buttons again, the timeout sequence is extended.

If your pager is programmed to the permanent ON option, the only way to turn it off is to remove the battery.

5. DISPLAY OPTIONS

The liquid crystal display (LCD) is an alphanumeric device that is always in an active state in standby mode and displays information with the highest priority status (without backlight). If *the time* is activated in the options, it is displayed.

Invert Display: Displayed text can be inverted to suit the way you wear the pager. To enable this option in the standby screen, press the OCR button to display the status prompt and press the MUTE button to invert the display. The new display orientation remains in the pager's memory even when you turn off the device until it is reset.

6. RECEIVING A CALL

Your pager can receive tone, alphanumeric and voice calls. When you receive a call, the red "alert" light flashes, then a "call tone" sounds. Additionally, if the option is selected, the pager can

also vibrate. This alert sequence can be interrupted
at any time by pressing the CANCEL button.

A message ending with the symbol ** is displayed for all
types of calls. Initially, the message is displayed with no
backlight until you press any button.

All messages retrieved from memory will also be
prefixed with either a "timestamp" or a message number,
depending on your system (see also section 7).

Tone-only calls

When used with Multitone MK6/7 code formats, your pager can
receive up to 8 different tone calls, each of which is distinguished
by a distinct beep pattern. For each call received, the
pager displays a dial tone number for the duration of the alert.
If you cancel the alert by pressing the OCR button, the call data
is displayed for an additional 2.5 seconds.

For example, a tone call with a code 3 beep timestamp
received at 12:00 p.m.

12:00 p.m.	+	call 3**

Example of a tone call with M number (message):

M1 tone call	+	3**

Calls in alphanumeric message

Your pager can receive alphanumeric messages of up to
120 characters. When you receive a call with an alphanumeric
attachment, if the total length of the message and
timestamp (message time or number) is less than 14
characters, the whole

message is displayed for the duration of the alert, until it is cancelled. If the alert is cancelled, the message displays for an additional 2.5 seconds with the backlight.

Example of a message of less than 14 characters:

M2 call

If a received message has more than 14 characters, it is divided into several segments of up to 14 characters. These segments scroll automatically during the alert period and are displayed for 1.25 seconds each, except on the final screen which is displayed for 2.5 seconds. This process then starts again until the end of the alert period, but if the call is canceled before that time, the message scrolls again from the beginning and pauses on the final screen.

Example of a message longer than 14 characters:

1:27 p.m. Your	+	visitor
	+	
at the reception	+	arrived**

If a call is canceled during the alert period, the MUTE button can be used to play the message and speed up or slow down the viewing process. If MUTE is pressed and held the message remains on the current screen, if MUTE is released the next screen is displayed. If MUTE is pressed and released on the final message screen, the display returns to the first part of the message and the entire message viewing process begins again.

Voice calls

When you receive any call with a voice message, your pager activates the alert sequence. This sequence includes the flashing LED and the alert tone at normal volume, for a duration of four seconds and

then the display of any alphanumeric message and/or call time/number data. After 4 seconds, the voice channel automatically opens and the voice message is played.

The voice channel then closes automatically at the end of a preset time, or when receiving a signal to end the reception of a voice message, depending on your system.

If during the 4 second alert period, you press the OCR button, this ends the call and if you press this button again, this ends the voice message.
If you press the OCR button again during the voice message timeout period, the voice channel will reopen.

All voice calls are automatically sent to voice storage memory for later retrieval (see section 8).

After the alert period, if you press the OCR button, this cancels the call (eliminates its status again) but if you press the button again, the voice channel opens at new.

If the calls remain uncancelled, your pager goes into extended alert mode, if this option has been selected.

7. RETRIEVE MESSAGES FROM MEMORY

Unless cancelled, messages are automatically stored in your pager's memory. Up to 5 free message formats of 120 characters in length and up to 4 pre-programmed messages of 14 characters in length can be stored. Once the memory is full, each new message received erases the oldest.

Message retrieval is initiated from standby by pressing the OCR button twice. If the pager is in

extended alert mode , press the OCR button again to engage memory replay mode. The pager responds by displaying *the timestamp* or the *message number* (header) of the first message. If there are no messages, the phrase *no message* is displayed and the pager returns to standby mode.

To find more messages, each time you press the OCR button, the pager scrolls through the stored message headers. The most recent message is prefixed with "M1" or the time it was received. If you wish to view a message, release the OCR button and the message will automatically scroll across the display.

If a call is canceled during the alert period, the MUTE button can be used to play the message and speed up or slow down the viewing process. If MUTE is pressed and held, the message remains on the current screen, if MUTE is released, the next screen is displayed.

8. RECOVER VOICE MAIL

Your pager can store up to 120 seconds of speech in 5 equal memory segments, each 24 seconds long. It is not possible to replay a voice message from memory until the original call is ended, but it is possible to close the voice channel during the original call. If any message exceeds 24 seconds in length, the recorded message is truncated. Once the memory is full, any new message will overwrite the oldest stored message.

The message is replayed automatically when its associated message is retrieved from memory, as described in section 7. If you press the OCR button at any time, this ends the message playback and the next message is retrieved. If you press and release the MUTE button, the message starts over from the beginning.

9. ADJUSTING THE VOICE VOLUME (audible signals)

To adjust the volume of voice prompts and beeps, if programmed as options, place the pager in standby mode. First, press the MUTE button, then the OCR button. The display shows the current volume level and can then be adjusted by pressing the OCR button again to increase the volume, or the MUTE button to decrease it. Once the desired level is reached, release the buttons and the pager returns to standby mode.

10. ALERT OPTIONS

Your pager has several options to notify you of a call, you can choose them according to system requirements and sometimes according to your needs.

Audible alerts

Rising Alert - programmable option that allows obtain an alert signal whose volume increases gradually. The sequence begins with the LED flashing for 4 seconds, then the LED lights up and an audible alert sounds for another 4 seconds and the sequence ends with the final selected alert duration (8, 16, 32 seconds or constant) of LED lighting + an audible warning signal at maximum volume. It is possible to interrupt the alert at any time during the sequence by pressing the OCR button once.

Extended alert - programmable option, this mode acts as a reminder if the original alert has not been cancelled. The sequence starts with one LED flash every 2 seconds through two beeps every 120 seconds, until canceled by pressing the OCR button. The most recent message received is then displayed.

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Silent alerts

Mute Mode - a programmable option that silences all audio alerts and voice calls. Received calls are notified with a flashing LED and a vibration, if the latter has been selected. Messages are displayed and saved as normal for later review.

Vibrate option - a programmable option allowing to obtain a discreet alert that can work in conjunction with or separately from the sound alert options. Once programmed, this option can be turned on or off using the MUTE button and going through the steps in the mute/vibrate option sequence.

The *Silent Alert* setting can be changed by pressing and holding the MUTE button for approximately 1.5 seconds while the pager is in sleep mode. Each time you press and hold the MUTE button again, the pager cycles through each option until you reach the mode you want. Each change is confirmed by an acoustic signal and, if necessary, by a short vibration. If you press the OCR button in standby mode, this allows you to check the status of the selected option.

The options available are:

On - normal sound alert, no vibration;

On+vibrate - same as On but with vibrate;

Mute + vibrate - tones and voice prompts are muted and vibrate is on.

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11. PAGER STATUS

Your pager was designed to provide you with status information on demand. To activate this feature, press the OCR button once while the pager is in sleep mode. This results in the display of the message *status>,* it is automatically followed by each programmable status message as follows:

Status message	**State**
1 new post posts	One or more new
2 new posts	
* Out of reach	Your pager has not received a valid system signal for at least 3.5 minutes.
*Battery low low.	The battery voltage is
*Hour	Depending on your pager options, refer to section 12.
*Mute	The pager is in mute mode.
*Vibrator	Vibrate option selected
Walk	No other message to display

*Note: For this option to work, your pager must be programmed to display this message.

12 O'CLOCK

Your pager can be programmed to display the time when in sleep mode. The actual source of the time signal may be the pager's internal clock or an antenna signal from your control system, if applicable. Time data is used to timestamp incoming messages.

On-air time signal - If this option has been selected, your pager will display the --:-- symbol in standby mode until the first valid time signal (transmitted every minute) from the system is received. If the pager is out of range of the system and no time signal is received for 2 minutes, this symbol will also be displayed until a new valid signal is received.

Internal clock - when the antenna time signal option is not activated, it is possible to activate and set the pager's internal clock. To set the time, press the OCR button during the power up sequence and the time screen will appear with the hours flashing.

To change the times, press repeatedly or press and hold the OCR button until the desired time is displayed. At this time, press the MUTE button and the minutes start flashing.

Press the OCR button until the desired minutes are displayed. To complete the setting, press the MUTE button and the pager will continue its power up sequence.

To reset the time to a pager that is already on, or an incorrect time, simply turn the pager off and on again and follow the time setting procedure.

13. OTHER OPTIONS

You can program your pager and get the following other options:

Group Alert - Your pager can be programmed to work as part of a 'team'. Any group call to your team will activate an audible alert sequence, even if your pager is set to *mute.*

Out of Range - This option tells you that you are in an area that is out of radio coverage. The alert activates if the pager has not received a valid signal for a predetermined time, typically 3 minutes and 30 seconds.

Combinations of alert options are possible, including visual only, sound and visual, or any option and vibrate. The audible/visual option allows you to get an *out of range* warning on the display for 4 seconds and a buzzing sound for 2 seconds.
Pagers with audible alerts enabled will also buzz if the OCR button is pressed while the receiver is out of range (except in *mute mode).* For the visual alert only, only the message is displayed. In any case, if selected, the vibrate option causes several short pulses during the alert period.

After the 4 second alert period, the pager continues to display the *Out of Range* message or if a received message is logged, it is shown until cleared.

Low Battery Warning - *It is not recommended to enable this option when using rechargeable cells.*

Your pager's battery status is constantly monitored and if low battery voltage is detected, the pager will continue to operate but the battery should be replaced as soon as possible (within 24

hours) otherwise, operation cannot be guaranteed and some features will not work.

Once enabled, this option can be programmed for visual, audible and vibrate alert options. A warning is activated under the following conditions:

(i) during ignition - the ignition signal may be modulated by a buzzing sound and the low battery message *is displayed;*

(ii) all alerts are modulated by a buzzing sound;

(iii) the status of the battery can be checked at any time, using the status query mode *as described in section 11.* The *low battery* message is displayed and the pager returns to standby mode, the message *bat* continues to display at the edge of the display.

Call Comparator - This option allows the pager to recognize calls that are a repeat of a previous call, sent within a preset time after the original call. The pager can ignore repeated calls identified by the comparator. The time limit can be programmed for durations of 30 seconds, 120 seconds and 300 seconds after the original call.

This does not apply to message calls if the original call was not decoded as a 100% confident match. In this case, the next call will be accepted and will overwrite the original message in the pager's memory. In both cases, however, a normal alert sequence will be generated.

14. BATTERIES - Battery Replacement and Battery Maintenance

You can use your pager with any 1.5 Volt nominal AA (LR6) primary cell, or for rechargeable battery uses, NiCD (if permitted) or NiMH secondary cells. You should be aware that the expected battery life can vary widely depending on the

supplier of cell and chemical products it is made up of, in particular for rechargeable batteries.

To maximize battery life, cancel all alerts as soon as possible and turn off your pager when not in use. If you do not plan to use your pager for an extended period of time, it is recommended that you remove the battery from it.

NOTE: *All recorded messages will be retained by the pager for approximately 12 hours when the battery is removed or the pager is turned off.*

To replace the battery, make sure the pager is turned off and do the following:

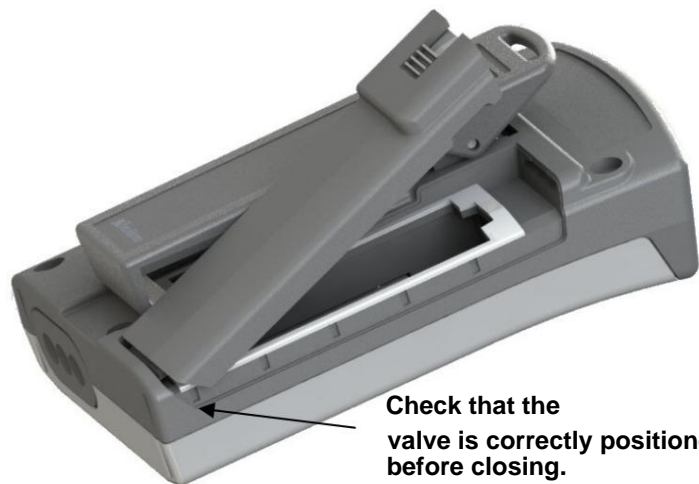**clip removal**

valve opening tool

Hold the pager in one hand, front side down. Using your thumb or index finger, gently slide the clasp in the direction indicated by the arrow. Insert the end of the supplied valve removal tool or similar thin blade (for example, a small screwdriver) into the opening in the side of the valve and gently lift it out of its notch.

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Gently lift and pull the battery door out of the main body in the direction shown, being careful not to damage the rubber seal on the edge of the battery compartment.

Check that the valve is correctly positioned before closing.

Check that the battery door is extracted from the housing and remove the door. Remove the battery by placing your index finger on the positive end and lifting the battery upwards, simultaneously pushing down a little against the negative contact spring.

The reverse procedure replaces the battery. Observing polarity, place the battery against the negative contact and gently press, simultaneously pushing the battery into the compartment and snapping the positive end against the positive contact in the pager.

To replace the battery door, make sure the tab on the bottom of the door is properly positioned in the opening at the bottom of the battery compartment and gently lower the door

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to insert it being careful not to damage the rubber seal.
Once closed, press the flap on its upper end and slide the clasp
into place.

15. REMOVE AND REPLACE CLIP

Hold the pager in one hand and open the clip so that the
metal bracket is visible.

Insert the clip blade tool or similar device under the edge of
the media as indicated by the arrow and lift it from the pager
body. Once the stand is removed, gently slide the clip down
the pager until it releases from the main body.

Before attempting to replace the clip, check that the grip
adjustment slider is securely attached to the top of the clip and
that the metal bracket has been straightened. reinsert it

metal bracket into the guides at the back and gently
slide the clip assembly into place, ensuring that the
retaining tab is fully seated in the notch of the back bracket.

16. ABSENCE AND LOADING

When you insert your pager into its Abundance Case, it
automatically goes into *away mode.* An already on pager
will reset and an off pager *will turn on* and go into *away mode.*

**NB: No call can be accepted while the pager is in the case
and no recorded message will be erased.**

Once in the case, your pager displays a programmable
message of a maximum length of 9 characters.
Unless otherwise programmed, the default message
will correspond to the RIC number (receiver identity code) of
your pager. This message can be programmed either
before switching on the pager or by the transmission
of new alphanumeric messages via the absence data bus.

Your pager's display orientation is corrected for viewing in
the holster, but reverts to the user's choice when unholstered.
The "alert" light will turn on half bright during charging.

If you take the pager out of the holster, it automatically reverts
to power up sequence mode.

When a single-unit charger or single-unit charger is used,
the pager can still receive calls, but its radio sensitivity may
be reduced and the vibrate option does not work.

17. USER SERVICEABLE PARTS

For replacements, please quote the following Multitone part numbers:

Battery door assembly _ 0361-9142
Battery Valve and Clip Tool - 0861-7941
Belt clip assembly - 0261-9493
Lanyard - 7961-5055
Label color:
2001-9497 White

2001-0174 Red
2001-0175 Blue
2001-0176 Yellow
2001-0177 Green

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REMARKS