

MODEL : VP200

USER MANUAL



• Two-Tone Voice Pager •

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WARNING :

1. Do not operate this product in a hazardous atmosphere.
2. Do not replace or charge batteries in a hazardous atmosphere.
Contact sparking may occur while installing or removing batteries and cause an explosion or fire.
3. Do not replace or change accessories in a hazardous atmosphere.
Contact sparking may occur while installing or removing accessories and cause an explosion or fire.
4. Turn a radio off before removing or installing a battery or accessory.
5. Do not disassemble this unit in any way that exposed the internal electrical circuits of the unit.
6. Do not substitute components. This could void the intrinsic safety rating.

INSPECTION

Verify the model number information located on the label on the back of the VP200. Inspect the equipment thoroughly. If any part of the equipment has been damaged in transit, report the extent of the damage to the transportation company immediately.

BATTERY TYPES

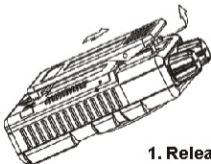
The VP200 is powered by 3 rechargeable Ni-MH batteries, type "AAA".

BATTERY INSTALLATION

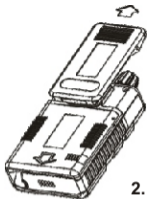
NOTE: For optimum performance, the Ni-MH batteries must be fully charged before operating your VP200.

Install your batteries as follows:

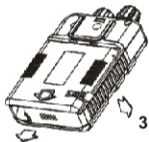
1. Release the belt clip by pressing the latch, and slide the belt clips upwards.
2. Unlock the "lock switch" on the battery cover.
3. Follow the arrow "↓" on the battery cover and slide it out.
4. After put the batteries, slide in the battery cover into place, and then slide the battery cover latch to the locked position.



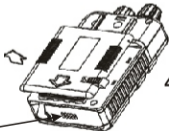
1. Release the belt clip by pressing the latch



2. Slide the belt clip upwards



3. unlock the "lock switch"

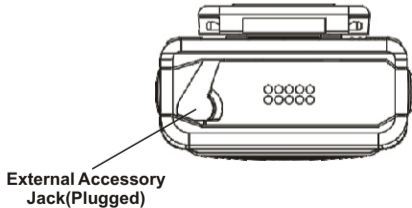
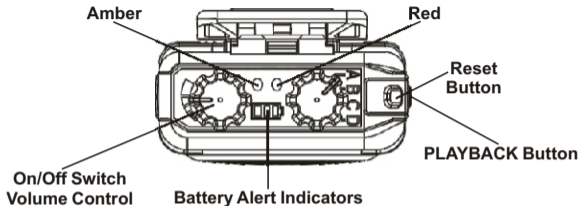


4. Follow the arrow on the battery cover and slide it out

Battery/Programmer
Contacts

CAUTION: If the batteries are improperly installed, the VP200 will not function and the batteries will not charge.

STANDARD FEATURES AND CONTROLS (All Models)



ON/OFF Switch/Volume Control

The ON/OFF SWITCH/VOLUME CONTROL is a combined single control located on the top of the VP200 as shown on page 5. Turning the control knob a few degrees in a clockwise direction applies power to the receiver, and an audible beep is sounded to indicate that the VP200 is turned on. As the control is rotated in a clockwise direction, the volume level of any received. Message and alert tone is increased. Rotating the control in the opposite (counterclockwise) direction reduces the audio level, and turns the VP200 off.

Audible/Visual Alert Indicators

When your VP200 is initially turned on, both the red and amber LEDs on the control panel light and an alert tone is sounded until the decoder circuit power-up is complete. Thereafter, whenever a properly encoded message is received, the red LED flashes and an audio alert is sounded.

If the battery voltage falls below the level required for reliable operation, a low battery pulse tones sounds and the red LED flashes. If the function switch is set to a vibrate position, just the red LED flashes to indicate a low battery state.

Function Switch

According to the specific model ordered, the function switch will be configured to 4 positions. Different function modes (monitor/selective call, scan, etc.) can be configured for any position of the switch.

Channel Monitoring

When the function switch is set to a monitor position, all voice communications on the selected channel is heard through the speaker. When monitoring channel 1 or 2 all ordered alert options are functional.

Reset Button

After receipt of a properly coded message and after completion of that message, the VP200 will automatically reset to the programmed operational mode (see Field Installed Options section for reset options). Some of these reset functions will place the pager in the monitor more. In these cases, or when the manual reset function is programmed into the pager, press the reset button to return your VP200 to the standby mode.

External Speaker Jack

When the VP200 is used in high-noise environments or when privacy is needed, an optional Gold Apollo approved lapel speaker or earpiece can be connected to the external accessory jack located at the bottom of the VP200. The jack is fitted with a protective plug.

NOTE: To prevent entry of dust and moisture, the plug should be inserted whenever the external accessory jack is not being used.

Belt Clip Feature

An integral part of the clip on the back of your VP200 is a security hook, This hook is intended to allow easy removal of the VP200, while at the same time preventing the unit from being pulled off your belt.

Scan(Two-Frequency Models Only)

All VP200 that are equipped with two frequencies are capable of scanning the two channels for selective call or monitoring purposes.

STORED VOICE MODEL FEATURES AND CONTROLS

The VP200 that include the stored voice feature can store up to 8 minutes of voice messages. Messages are stored according to their length. If preferred, the VP200 can be programmed for stored voice fixed message lengths of 15, 30, 60 or 120 seconds. Messages can be deleted by either incoming new messages replacing older messages or by turning the VP200 off.

Unread Message Indicator

The red LED turns on if there are any unread messages.

Reminder Alert

The pager generates a reminder alert approximately every two minutes when an unread message exists.

Voice Memo

When the VP200 is powered on or the function select switch is moved to a new position, a voice prompt will be played to announce the mode that the pager is in. This feature is available with the stored voice pagers only, and can be disabled through the programming software.

FIELD INSTALLED OPTIONS

Fixed-Alert, Audio-Only Volume Control

When this option is installed, the alert tone is factory preset (non-adjustable) at the maximum volume level. Tuning the volume control varies only the voice message volume level.

Time-Out Auto Reset

This feature allows the VP200 to be automatically reset after a predetermined amount of time. This places the VP200 back in standby mode to help conserve battery power.

The VP200 has following programmable options:

- Priority Scan
- Non Priority Scan

- Silent Scan
- Alert Duration
- Priority Alert
- Reset Options
 - Carrier reset
 - Delayed N Carrier Reset
 - Manual Reset
 - Revert Reset
 - Time Out Reset
 - Delayed N Revert Reset
- Stored Voice Options
 - Max Message Lengths
 - Call Reminder
- Push-To-Listen

OPERATION

Perform the following steps to condition your VP200 for operation:

1. Set the FUNCTION switch to a tone-alert position.
2. Rotate the ON-OFF SWITCH/VOLUME CONTROL clockwise to turn on the VP200. Four short beep sounds occur and both LEDs light, indicating that power is applied.
3. Set the FUNCTION switch to a monitor position.
4. Listen for a transmission and adjust the volume control to a comfortable listening level.
5. If no transmission is heard, hold down the RESET button and adjust the background noise to a comfortable listening level. It may be necessary to readjust the volume when a voice signal is present.
6. Set the FUNCTION switch to the desired operating mode, i.e., selective call tone, selective call vibrate, monitor, scan, etc.
7. Turn off the VP200 by rotating the ON-OFF SWITCH/VOLUME CONTROL counterclockwise until a click is heard and the mechanical stop is reached.

SCAN OPERATION

Priority Scan

If the VP200 is programmed for priority scan, the frequency programmed as F1 is designated as the priority channel. If there is no traffic on F1, the VP200 alternately listens to F1 and F2 until a transmission is detected. If a transmission is detected on F1, the VP200 stays on that channel until the transmission ceases. The VP200 only decodes tones on the F1 channel. No tones are decoded on the F2 channel.

If the VP200 detects a transmission on F2 it stops on F2 then listens for transmissions on F1. Scan back time is programmable and can be set to 0.5, 1, or 2-second increments. If a transmission is detected on F1, the VP200 switches to F1 cutting off any transmission on F2. When switching from F2 to F1, the VP200 listens for any tones and alerts if the proper tones are detected.

It should be noted that the detection of tones is very dependent on the duration of the tone sent over the air. To ensure reliable alerting, it is recommended that this feature only be used when the first tone duration transmitted is one second or more.

Non-priority Scan

If the non-priority scan mode, the VP200 alternately listens on F1 and F2 for any transmission. A transmission on either channel causes the VP200 to stop on that channel until the signal disappears. In non-priority scan, the VP200 decodes tones on either F1 or F2 provided the VP200 has listened to the appropriate channel at the correct time. However, it should be noted that if the VP200 is listening to traffic on F2 and an alert is transmitted on F1, the VP200 will not hear that signal until the transmission on F2 is finished. Therefore, an emergency alert could be missed if the VP200 is listening to traffic on one channel with tones being sent out on the other channel.

Silent Scan

In the silent scan mode, the VP200 alternately listens on F1 and F2 for alert tones. Detection of alert tones on each channel causes the VP200 to stop on that channel until the signal disappears. In the silent scan mode, the VP200 decodes tones on either F1 or F2 provided the VP200 has listened to the appropriate channel at the correct time. However, it should be noted that if the VP200 is listening to traffic on F2 and an alert is transmitted on F1, the VP200 will not hear that signal until the transmission on F2 is finished. Therefore, an emergency alert could be missed if the VP200 is listening to traffic on one channel with tones being sent out on the other channel. Scan back time is programmable. To ensure reliable alerting, it is recommended that this feature only be used when the first tone duration transmitted is one second or more.

STORED VOICE OPERATION

Selective Call Position:

In the position, the message is simultaneously stored as you receive the voice communication. The message recording cycle is complete under any of the following conditions:

- When the maximum message length is complete
- When the squelch circuit no longer detects carrier signal
- When the delayed " N " cycle is complete
- When the timed—out reset cycle is complete

If channel traffic occurs after the page and message, and before carrier signal is lost, that will also be stored in memory. After storage is complete and carries drops, the VP200 responds according to the programmed reset mode. the VP200 can be reset by pressing the RESET button at any time.

Scan/Monitor Positions

In these positions, the message is stored only when a properly encoded message is received. Other communications monitored on the channel that do not alert your monitor are not stored.

Selective Playback of Message(s)

To playback a particular message in memory, press the PLAYBACK button. Pressing once replays the newest message in memory. Twice replays the second most recent message and so on. Messages cannot be played back during message recording.

You may also playback older messages by pressing the PLAYBACK button as you are listening to a message. If you are listening to the most recent message, and want to listen to an older message, press the PLAYBACK button while listening to the current message. The playback switches to an older message if it is still in storage.

If there are no messages in memory, a "memory empty" one short beep tone is heard while the PLAYBACK button is pressed.

NOTE: A message is considered read if playback has been initiated for more than 15 seconds or the end of the message is reached, whichever occurs first.

BATTERY LIFE

Battery life depends upon the number of calls received and length of each call, capacity and charge of the battery, and the mode of operation. A battery gauge, located between the knobs on top of the pager can be used to determine remaining battery capacity. To enable the battery gauge, press the reset button. This will illuminate the LED in the battery gauge. Three LED are present and represent approximately one-third of the battery capacity.

ACCESSORIES

Gold Apollo offers below accessories to increase communications efficiently and provide many unique benefits.

- Desktop Battery Charger
- Desktop Battery Charger Amplifier with Antenna and Relay
- Earpieces



VP200 charger User manual

IMPORTANT SAFETY INSTRUCTIONS

- SAVE THESE INSTRUCTIONS

- This manual contains important safety and operating instructions.
- Before using the the charger, read all instructions and cautionary markings on the (1) charger, (2) 3 rechargeable batteries, (3) pager.

WARNING :

- Do not expose charger to rain or snow.
- To reduce risk of damage to electrical plug and cord, pull by the plug when disconnecting the charger.
- Make sure the cord is located such that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- Do not operate charger with damaged power supply.
- Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged.
- Do not disassemble charger.
- To reduce risk of electrical shock, unplug charger from outlet before attempting cleaning.

BATTERY CHARGER DESCRIPTION

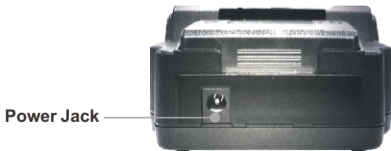
The single-unit charger is capable of charging batteries in the VP200 or three batteries. Dual colored LED indicators provide information as to which batteries are being charged.

NOTE: It has to charge three batteries at the same time, not available for individual battery.

OPERATION GENERAL

Charging Batteries While in the Receiver

1. Insert the transformer output plug into the recessed power receptacle located on the rear of the charger (see below picture).

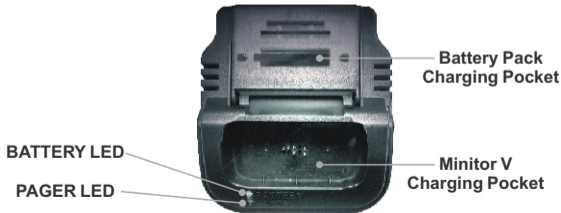


Power Jack

2. Insert the transformer input plug into a 120volt, 60Hz receptacle.
3. Insert the receiver, with battery into the charger compartment with the belt clip facing toward the back of the charger. Push the receiver all the way down until the belt clip latches and an audible snap or click is heard.
4. When a pager is inserted in the charger, the PAGER indicator lights on. When the charging process begins, the PAGER indicator light will be blinking. When the charging process is complete, the PAGER indicator light will change, in color, from red to green.
5. To remove the VP200 alert monitor receiver, press the upper end of the belt clip and lift the receiver out.
6. To charge a spare battery, place the battery into the spare battery slot and push down until a snap or click is heard. When the battery is inserted into the charger, the BATTERY indicator lights on . When the charging process begins, the BATTERY indicator light will be blinking. When the charging process is complete, the PAGER indicator light will change, in color, from red to green. Removing the batteries after charging (see the below picture).

NOTE:

When a pager and battery are inserted in the charger at same time, pager pocket has a priority. After pager pocket has completed rapid charging, then batteries will follow rapid charging with red LED solid red. Otherwise first come first charging. The first item inserted, pager or battery will have priority in the charge cycle. For example, if a battery in place in the battery slot and then the pager in the pager pocket, the battery will be charged first. The BATTERY indicator light will be solidly lit red and the PAGER indicator light will be on. Once the battery is fully charged, it then will start to charger the pager.



CHARGER INDICATOR LIGHTS

<i>LED STATUS</i>	<i>INDICATION SUMMARY</i>
PAGER light solid red	Charger is checking battery chemistry, or Charger is waiting for BATTERY charger cycle to complete
PAGER light blinking red	PAGER is actively rapid charging mode
PAGER light green	PAGER rapid charge cycle completed and in the maintenance mode
BATTERY light solid red	Charger is checking battery chemistry, or Charger is waiting for PAGER charge cycle to complete
BATTERY light blinking red	BATTERIES are actively rapid charging mode
BATTERY light green	BATTERIES rapid charge cycle is completed and in the maintenance mode.

SPECIFICATIONS

Parameter	Model VP200
Input Source	8.4 ~ 8.8 V DC 5 Watts (800 amp DC max.)
Weight:	6.17 oz. (175g)
Dimensions:	4.09 x 2.42 x 1.54 (104 x 61.5 x 39mm)
Rapid charging: *Rapid charging method	A. Rapid charging method: <ul style="list-style-type: none">• Delta Temp/time or - Delta voltage (Typical: 1°C / 1minute)• TCO: 50°C (typical)• Timeout: 2.5 hours (typical) B. Rapid charging current: 350 mA (typical)
Rapid charging time	Approximately 1.2 Hours
Temperature Range:	0°C to +40°C



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