

LED indicator - red light indicates charging; green light indicates battery is fully charged.

Auto charging - simply place the Battery Pack or Transceiver in the Charger pocket.

Overcharge protection - prevents accidental overcharging of the Battery Pack.

Features

- APX 140 Charger uses Adapter APX 140PS
- APX 141 Charger uses Adapter APX 141PS

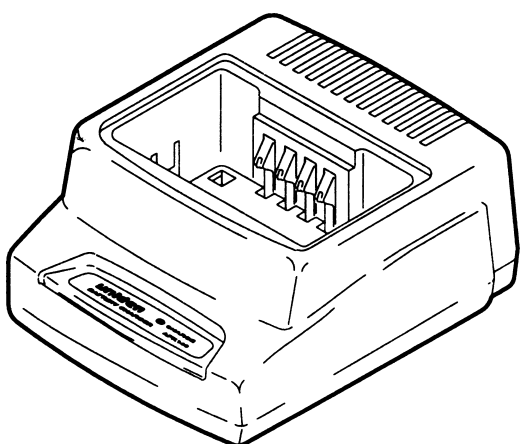
AC Adapters

Check to verify that the AC Adapter matches your Transceiver Battery Pack.

The APX 140 Trickle Charger and the APX 141 Rapid Charger are used to charge Uniden Transceiver Battery Packs. Both chargers are for desktop use. You can charge the Battery Pack while it is in the Transceiver or insert the Battery Pack alone in the Charger.

These efficient Chargers feature the latest technology. The Model APX 141 Rapid Charger quickly charges a Battery Pack. The Model APX 140 Trickle Charger gradually charges a Battery Pack. Both chargers feature a short circuit protector that assures safety and permits you to leave the battery or Transceiver with battery in the Charger for long periods.

Introduction



**Model APX 140
Desktop Trickle Charger**

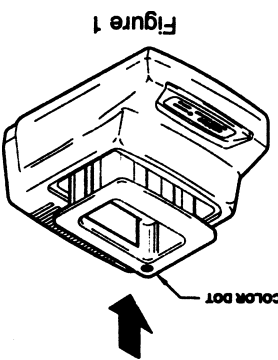
**Model APX 141
Desktop Rapid Charger**

OPERATING GUIDE

Typical Radio Models	Charging Cup	Color Code
SPH155/SPU454/SPS802	APX145	RED DOT
SPU416/SPH516	APX146	BLUE DOT
SPU480/SPH580/SPS310/320	APX147	GREEN DOT
SPS330TSD	APX148	YELLOW DOT

Different charging cup shapes are required to charge specific batteries. Your dealer can help select the proper cup for your radio. The cups are color coded with a dot on the cup (see Figure 1). The chart below shows typical Transceiver model numbers with matching charging cups and their color codes.

Check with your dealer for the correct charging cup to match your Transceiver and Battery Pack.



Charging Cup Adapters

Custom pocket design - the charging pocket is shaped to snugly hold the Transceiver or battery, assuring that the battery makes good contact with the charging contacts.



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Installing the Charging Cup

To install the cup in the APX 140 or APX 141, insert the charging cup and press down gently. If the cup will not seat readily, do not force it. Remove the cup and move the slide switch inside the charging well to the other position, left or right (see Figure 2). Then insert the cup and press down until it is seated.

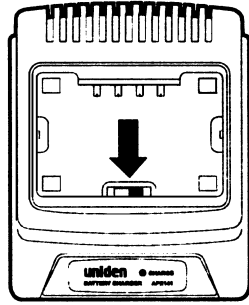


Figure 2

Battery Charging Information

- Do not operate the Transceiver while it is charging; this might cause a malfunction.
- Remove the Battery Pack from the Transceiver when it is not used for a long period.
- Do not let the Battery Pack discharge completely - this shortens the Battery Pack life considerably.
- Batteries become completely discharged because the equipment is left operating but unattended for a long time. Storing the equipment with the Battery Pack attached for a long time also completely discharges the battery.
- To recharge a completely discharged Battery Pack, you might have to charge it more than once. If the Battery Pack will not charge after several attempts, it is probably damaged.

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NOTE: Battery Pack **APX 148** requires a charging cup spacer to assure good contact when charging the Battery Pack alone. Reverse the spacer when charging the battery in the Transceiver. Install the spacer by aligning it and sliding it into position in the charging cup. Figure 3 shows the insert configuration for charging the battery while it is in the Transceiver; Figure 4 shows the configuration for charging the Battery Pack alone.

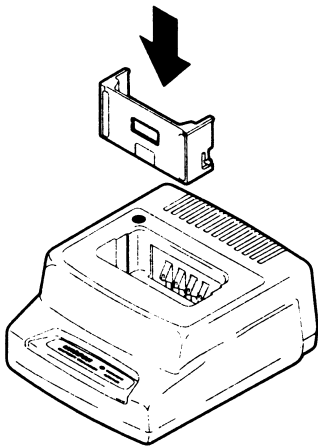


Figure 3

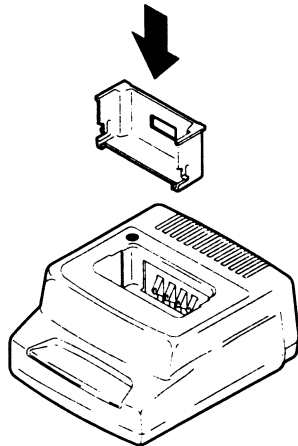


Figure 4

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How to Use the Charger

To charge the Battery Pack:

1. Install the proper cup in the Charger (see Figure 1).
2. Before plugging in the AC Adapter, assure that the voltage is set to your AC line voltage: 120 volts or 220 volts. (Normal U.S. voltage is 120 volts.). A switch on the label side of the Adapter slides left or right. The voltage is indicated next to the switch.
3. Verify that your Charger and AC Adapter match model numbers.
 - The Adapter for the APX 140 Trickle Charger is a small AC Adapter that plugs directly into a wall outlet.
 - The APX 141 Rapid Charger requires a larger Adapter that has a line cord that plugs into the wall outlet.
4. Plug the small end of the line cord from the Adapter into the back of the Charger. Plug the other end of the Adapter into the wall outlet.
5. Place the Transceiver or Battery Pack in the pocket of the Charger. Be sure you have the proper charging cup for your Transceiver as indicated by the color dot.

IMPORTANT

Be sure the red LED turns on when placing the Transceiver or Battery Pack in the pocket.

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The APX 140 and APX 141 will start charging automatically when the battery is placed in the Charger. The charge LED lights **red** and remains red while charging. When the charging cycle is complete, the LED lights **green**. The charging current is reduced so you may leave the Battery Pack in the Charger without damage. (LED and model number are shown on the Charger label - see Figure 5.)



Figure 5

IMPORTANT: If the CHARGE LED of the APX 141 alternates between red and green during the charging cycle (typically after about 20 minutes), the Battery Pack may be shorted or damaged. Remove it from the pocket, and do not attempt to charge it again.

NOTE: If the Charger will not be used for a week or longer, remove the Battery Pack from the Charger and unplug the AC Adapter from the wall outlet.

Cleaning the Contacts

Clean contacts on the Battery Pack and the Charger are essential to proper performance. Before cleaning the Charger, remove AC Adapter from wall outlet. Clean dirty or corroded contacts with a wire brush before using the Charger. Be sure to remove bits of dirt or metal from the Charger cup before using. Do not use any liquids or solvents to clean contacts.

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