

CD-53 Desktop Charger

This Desktop Charger enables charging of Lithium-ion Battery Packs for Vertex Standard transceivers*.

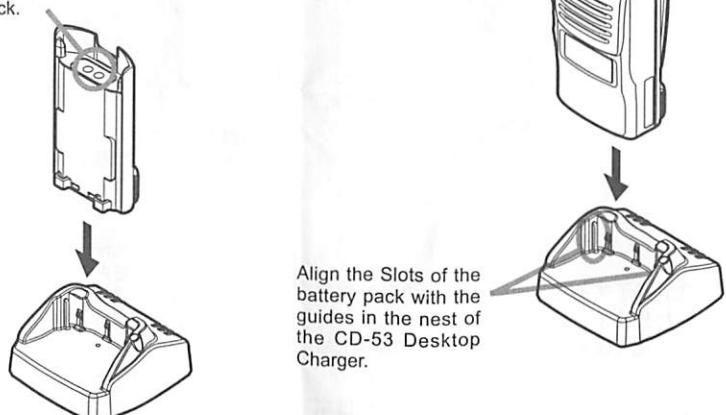
This Desktop Charger requires the optional PA-42 AC Adapter.

* Check with your Vertex Standard dealer for a list of current transceivers that may be used with this Desktop Charger.

Operation

1. Insert the DC plug from the PA-42 into the DC jack on the rear side of the CD-53, then plug the PA-42 into the AC line outlet.
2. Insert the battery pack into the CD-53. If charging with the transceiver attached, the antenna jack should be at the left side when viewing the charger from the front. If charging a pack alone (not attached to the transceiver), refer to the illustration below for details on proper positioning of the pack; align the slot of the battery pack with the guide in the nest of the CD-53.
3. If the battery pack is inserted correctly, the LED indicator will glow red.
4. When charging is completed, the LED indicator will change to green.
5. Disconnect the pack from the CD-53, and unplug the PA-42 from the AC line outlet.

Do not allow any metal object to short the terminals on top of the pack.



Caution!!

- When charging a battery pack alone (not attached to the transceiver), do not allow any metal object to short the terminals on top of the pack.
- Do not allow any metal objects to short the terminals in the nest of the CD-53, as a short-circuit could cause overheating of the charger circuitry.

⚠ Important Notes!

- Do not connect an improper AC Adapter. Use only the PA-42 with the CD-53.
- This Desktop Charger is designed for charging the FNB-V86LI, FNB-V87LI and FNB-V92LI Li-ion Battery Pack only.
- Do not charge an improper battery (one not specifically designed for use in the CD-53).
- Disconnect the pack from the CD-53, and unplug the PA-42 from the AC line outlet, when charging is completed.
- The PA-42 and/or CD-53 will generate a moderate amount of heat during the charging process. This is a normal condition.
- The CD-53 is designed for charging only, and is not designed for operation (transmission/reception) of the transceiver.
- Periodically wipe the charging terminals in the nest in the CD-53, using a dry cloth, to ensure good connections between the charger and battery.

Fix the Stand

You will be able to fix the CD-53 to the plate by the screw holes on the bottom case of the CD-53 (See Figure 1). Fix the CD-53 to the plate with a screw which is a length of less than 6 mm from the bottom case (see Figure 2).

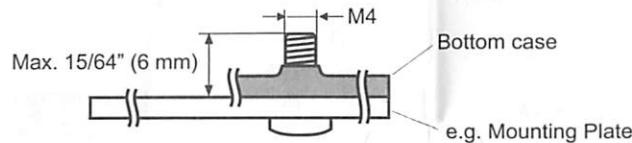


Figure 2

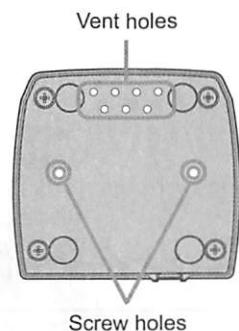


Figure 1

Caution!!

- Do not use a screw length of **more than 15/64"** (6 mm) from the bottom case, as it may cause a "short circuit" and serious damage to the internal components.
- Do not cover the vent holes on the bottom case with seals.

Specifications

Charging Current (approx.): 1 A

Charge Time (approx.): 80 min (FNB-V86LI)

130 min (FNB-V87LI)

200 min (FNB-V92LI)

Operating Temperature Range: +41 °F to +95 °F (+5 °C to +35 °C)

CD-53 Case Size (W x H x D): 3.35" x 1.81" x 3.15" (85 x 46 x 80 mm)

CD-53 Weight (approx.): 4.6 Oz (130 g)

PA-42B Input Voltage: 100 - 120 VAC

PA-42C/U Input Voltage: 220 - 240 VAC

⚠ WARNING ⚠

Do not charge batteries in potentially explosive atmospheres.



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