



CU 400

AKG's **CU 450** is a **fast charger** that rapidly charges the rechargeable battery inside the transmitter without damaging the cell element. CU 450 charger determine the optimum charge current. Charging is terminated when both batteries are fully charged.

The CU 450 charger use the **pulse technology** in which a pulse is fed to the battery. This DC pulse has a strictly controlled rise time, pulse width, pulse repetition rate (frequency) and amplitude.

- 2-hour quick charging.
- Two slots that fit both DHT 700 and DPT 700.
- LED status information



CU 400 Charging Unit Specifications

Matching devices	HT 450, PT 450, HT400, PT400, HT40, PT 40
Rechargeable batteries	AA size, >2100 mAh NiMH rechargeable battery
Slot number	2
Dimensions	7.4(W) x 4.5(H) x 3.1(D) inch / 188(W) x 115(H) x 78(D) mm
Net / Shipping Weight	14.8 oz / 420 g
Standard Accessories	1 x 5 V / 1.5 A DC Power supply

Item number:	CU 400 EU	2934Z0001
	CU 400 US	2934Z0002
	CU 400 UK	2934Z0003
	CU 400 no power supply	2934Z0004

Architects' and Engineers' Specifications

The charger shall be housed in a rugged plastic case with two multifunctional charging slots for charging WMS 450 and WMS 40 PRO Series wireless transmitters. Each charging slot shall accommodate a handheld or bodypack transmitter and the charger shall be capable of charging any combination of transmitters (e.g., one HT 450 and one PT 450 simultaneously). The batteries shall remain inside the transmitter(s) during charging. The charger shall detect any dry (non-rechargeable) battery inside a transmitter and automatically stop the charging cycle if a dry battery is inserted. A status LED shall be placed in front of each charging slot. These tricolor (red/amber/green) LEDs shall indicate the charger's current operating status: amber - battery is being tested; red - battery is being charged; green - battery is fully charged and charging cycle finished; flashing red - error. The voltage and temperature shall be monitored during the charging cycle and a signal given at the end of a charging cycle to indicate that full capacity has been reached. All required safety parameters shall be monitored and the charging cycle stopped if one or more safety parameters fall below or exceed the acceptable range. Operating voltage shall be 5 VDC, 1.5 A max. The charger shall accept NiMH or NiCd rechargeable batteries with a minimum capacity of 1500 mAh. Typical charging current shall be 1.4 A when one charging slot is used and 0.7 A when both slots are used simultaneously, typical charging time 1.5 hours when one charging slot is used and 3 hours when both slots are used simultaneously (depending on battery type and capacity). The charger shall measure 188 x 115 x 78 mm (LxHxD), weigh approx. 420 g, and be enameled black. The charger shall be the CU 400 or equivalent.

