

QUANTUM HB20

INSTRUCTIONS

The enclosed DC Plug Set HB20 is designed to supply power from your Quantum Ham Battery to various 12VDC powered communications equipment. The maximum continuous current drain must be 3 amps or less. An automatic circuit breaker in the Quantum Ham Battery will trip if the operating current exceeds 3 amps.

WARNING! QUANTUM INSTRUMENTS INC. will not be responsible for any damage to equipment which might occur due to incorrect voltage, improper polarity and or tip size selection.

MAKE SURE THAT YOUR EQUIPMENT CAN OPERATE ON A MAXIMUM OF 13.4 VOLTS DC BEFORE USING THE HB20!

TIP SELECTION

1. The HB20 includes five of the most common coaxial plug sizes which will fit the DC input jack on most hand-held radio equipment.
2. The chart below shows each size plug and the type of hand-helds they fit.

Note: We have only listed the most common radios. If we were to list every radio and the plugs that fit them, the list would be very extensive.

Description	Size	Fits
1. Orange Plug W/bushing	1.3mm x 3.8mm	Alinco (DJ-160, DJ-F1T etc.) Standard (C168A etc.)
2. Orange Plug	1.3mm x 3.5mm	Kenwood (TH26AT, TH-78A etc.)
3. Blue Plug	1mm x 5.5mm	Icom (IC-02AT etc.) Uniden Bearcat BC-200XLT
4. Brown Plug	1.7mm x 3.9mm	Yaesu (FT-26, FT415 etc.)
5. Pink Plug	2.5mm phone	

WARNING! THESE INSTRUCTIONS MUST BE FOLLOWED CAREFULLY. IMPROPER POLARITY SELECTION MAY CAUSE PERMANENT DAMAGE TO YOUR EQUIPMENT!

POLARITY SELECTION

1. Determine the polarity required by your equipment. This is usually indicated near the DC input jack with the symbols as shown below.
2. The polarity of the HB20 can be set by the orientation of the Plug tip in the Cable housing. Insert the Plug tip into the Cable housing so the word TIP is lined up with the appropriate polarity marking (+) or (-) as shown below.

