

Power Supply and Control Unit GX002A1



Brief description

The Junction Unit GX002A1 allows the HF Dipole HX002A1 to be operated together with transceivers of the XK852 family or with 100 W shortwave transceivers of other manufacturers.

The following functions are implemented:

- power supply of ATU incorporated in HX002A1
- control of ATU
- status indication

Junction Unit GX 002A1 is connected to Antenna HX002A1 via a single coaxial line, which carries the DC supply voltage as well as the serial data for control of the ATU.

A parallel interface, to which a virtual front panel can be connected, allows remote control of the GX002A1.

The RS-232-C interface of the GX002A1 can be used for computer-controlled operation as well as for antenna diagnostics.

Specifications

Frequency range	1.5 to 30 MHz
Max. transmitter power	150 W PEP/100 W CW
Nominal impedance	50 Ω
VSWR	
Antenna connector terminated with 50 Ω	< 1.3
Antenna connector terminated with any passive impedance	< 2
Storable channels	max. 100 (0 to 99)
Required tuning power for HX002A1	
with XK 852	30 to 100 W
with other transmitter	50 to 100 W
Power supply	
AC	100 / 120 / 230 V \pm 10% 47 to 63 Hz (80 VA)
Battery	22 to 32 V, approx. 2 A (24 V)
Operating temperature	-25 to +55°C
Dimensions (W x H x H)	483 x 133 x 390 mm
Weight	8.5 kg