



Danpoint HF 2000 series

Digital Software Defined HF Radio (SDR)

TAKING HF INTO THE FUTURE

The Danpoint 2000 is the essence of a rugged HF radio for secure and heavy duty use in the field. It is the answer to your HF needs both today and during the years to come, thanks to its advanced software defined concept.

Quality

A solid metal housing and dust- and weather proof buttons protect the advanced software based electronics. No expense is spared concerning choice of materials, solutions, fittings and accessories.

Common causes of failure in harsh environments have been analyzed, resulting in a number of features adding strength and durability to the Danpoint 2000.

Programmable

Inside the strong housing, the Danpoint harbors state of the art software defined electronics. Programming can be carried out either on the radio itself or via a PC interface, allowing you to update configuration of the Danpoint HF.

Sound investment

The combination of ruggedness, advanced functionalities and an outstanding warranty makes the Danpoint 2000 the safe and economic choice.

OUTSTANDING FEATURES

- 125 Watts programmable transmit power
- Up to 1,000 Channels with phone book calling
- Impeccable product quality with a standard **3 years warranty**
- Software based radio
- Digital signal processing for exceptional audio clarity
- Configuration software for PC
- ALE per MIL STD 188-141B
- Fully supports CCIR and ALE operation.
- Full voice interoperability with major HF brands
- Extended Remote head for Mobile package



SPECIFICATIONS

- Up to 1,000 channels with phonebook calling
- Frequency range 1.6 to 30 MHz
- Frequency stability: 0.6 ppm
- Sensitivity: -118dBm/10dB SINAD
- Transmit power: 125 Watts PEP
- Frequency resolution 10 Hz
- Operating temperature range from -30° to +60°C
- Storage temperature range from -40° to +85°C
- Humidity up to 95% @ 50°C
- Modes of operation:
 - SSB (J3E)
 - PILOT (R3E)
 - AME (H3E)
 - CW (J2E)
- Text messages pre-set or operator defined, point-to-point or point-to-multi-point
- Operating voltage 13.8 vdc \pm 20%, negative ground
- ALE per MIL STD 188-141B
- CCIR 493 4 & 6 digit selcall per interoperability agreements
- Supports Beacon call & GPS call
- Size and Weight (W x H x D mm - Kg):
 - Mobile/Base unit, configuration: 225 x 92 x 239 - 4.1 Kg
 - Control panel: 188 x 72 x 61.8 - 0.5 Kg

DMX-2018-08

Antenna Options

ATA FOR VEHICLE MOUNTING

Mobile ATA - DMX99100

FEATURES

The Danpoint ATA kit contains:

- Automatic Tuning unit (top picture)
- 6 ft (1.8 m) single section whip antenna
- Cable, 6 m
- Spring
- Owner's manual

The tuning unit matches the antenna impedance to the 50 Ω output impedance of the radio system with a nominal VSWR of not higher than 1.4:1 in the 1.6-30 MHz frequency range.

SPECIFICATIONS

Frequency Band:	1.6 to 30 MHz
Input Power Maximum:	125 W PEP
Tuned antenna input Imp:	50 Ohm with VSWR ≤ 1.4:1
Tuning time by algorithm:	max 3 sec
Tuning time from the memory on pre-programmed freq	max 0.3 sec
RF power used for tuning:	6.5-7.5 W
Power supply:	+12V DC at max 1.2A
Dimensions, tuning unit:	530x128x114 mm
Dimensions whip antenna:	6 feet (1.8 m)
Weight, tuning unit:	4.5 kg
Weight, spring:	750 g
Weight, antenna:	1.0 kg
Operation, temperature range:	-30° C to 50° C
Storage, temperature range:	-40° C to 85° C
Humidity:	Up to 95% within -20° C to 85° C
NVIS kit - Optional (DMX99101)	

LB025 FOR BASE STATIONS

Lencom® LB025 Base antenna

FEATURES

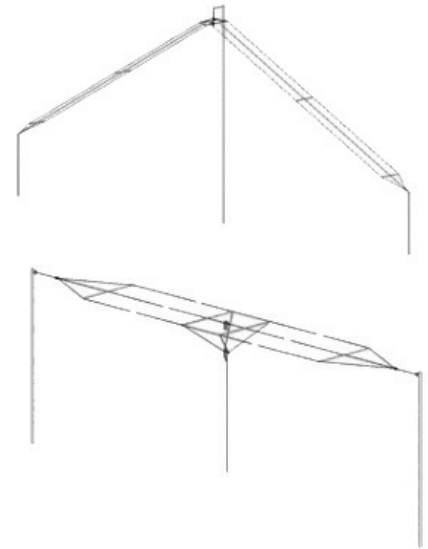
The Lencom® LB025 kit contains:

- Complete antenna assembly
- Gibbet
- Gibbet back stay
- 60m roll rope
- Various assembly materiel
- No ATU required

The Lencom® LB025 broadband dipole antenna has been designed for fixed station, multifrequency operation, and covers the entire frequency range of 2-30MHz with a power rating of 125W PEP. As supplied, this antenna is suitable for installation in inverted V or horizontal configurations.

SPECIFICATIONS

Frequency Band:	2 to 30 MHz
Input Power Maximum:	125 W PEP
Nominal Impedance:	50 Ohm VSWR < 2:1
RF Connector:	SO-239
Length:	91.86 ft. (28m)
Minimum Mast Spacing:	98.42 ft. (30m)
Recommended Mast Height:	32.8 - 49.2 ft (10-15m)
Wind Rating:	99.41 mph (160 km/h) - no ice
Package Weight:	15.42 lbs (7 Kg)
Mounting Hardware: Halyard and pullies supplied	



Lencom® LB025 Broadband Dipole Antenna. Suitable for Inverted V and Horizontal configuration



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