

Subject: DR-2XE Installation Support Program

“DR-2XE Installation Support Program”

Valid if we receive the Cash Back form filled out within 30 days.

If you own a DR-1XE in working conditions and you are willing to switch to the DR-2XE you can trade your old digital repeater in and get an additional **€ 300.00 cashback**.

144/430 Dual Band C4FM/FM Digital Repeater With Dual Transmit and Dual Receive



Features

Easy Migration....

The repeater controller, receiver and transmitter are all packaged into a 19” standard cabinet rack mount panel unit for simple replacement of an existing repeater. Existing peripheral devices such as the duplexer and amplifier, etc., can continue to be used as-is.

Please see the DR-2XE Brochure for more information.

DR-2XE Features

- Modulation Modes: Conventional FM, 12.5 kHz C4FM Digital (V/D Mode, VFR Mode, DFR Mode) *
- VHF or UHF operation (cross-band capable) / **Dual Receive / Dual Transmit (DRDT)**
- AMS (Automatic Mode Select) function automatically recognizes the signal as C4FM digital or conventional FM, and then the DR-2XE repeater re-transmits the signal using the preset communications mode.
- 3.5-inch Full Color Touch Panel Operation
- Extremely reliable, high RF Output Power: 50W/20W/10W
- Emergency Operation: Supports auto-switched backup battery power operation.
- Front panel microphone connector is provided for use in repeater transmitter testing, and enables use as a base station.
- Built-in large-size monitor speaker with front panel volume control
- Full Integrability with existing repeater controllers using the 15 Pin rear I/O connection.

*System Fusion is not compatible with the D-STAR GMSK digital format.

DR-2XE New Features

- Dual Frequency Operation (DRDT)
- MSRL (Multi-site repeater link) Function for Easy Coverage Expansion using optional module
- New and improved “News Station” feature for Easy sharing of voice and text messaging.
- Enhanced Group Monitor Feature for Easy Grouping Set-up (DG-ID, DP-ID)

User Friendly Set-Up

The large front panel, color touch-screen permits convenient configuration of the transmitter and receiver frequencies, transmit power output and AMS functions. When the settings are complete the display can be switched off to prevent accidental operation. Simply turn the display switch ON and use the touch panel screen to confirm or change settings. The transmit and receive frequencies, CTCSS tones, squelch, AMS, and other functions are configured by the touch panel screen

Enhanced Group Monitor Feature

Yaesu’s revolutionary Group Monitor feature allows you to track multiple resources quickly and efficiently by displaying telemetry and signal strength information of other group members that share the same Digital Group Identification number.

Dual Receive / Dual Transmit (DRDT)

The unique Receiver, Transmitter and controller combination in the DR-2XE allows the control operator to assign up to two frequency pairs per repeater. This feature enables two separate dual-band inputs and outputs per single DR-2XE repeater, allowing even more methods of access.

MSRL (Multi-site Repeater Link)

The MSRL (Multi Site Repeater Link) allows the repeater operator to link multiple repeaters over a Wide-Area-Network (WAN) or Local-area-network (LAN) across short or long distances. Realizing the reliability shortcomings inherent with WAN (Wide Area Networking) such as the internet, the new DR-2XE incorporates direct connectivity into a variety of networking environments to provide high quality Digital and Analog communications even when “All Else Fails” .

New and Improved News Station Function

Quickly store and retrieve digital audio and text messages for groups or individual operators that can be accessed on demand, any time of the day (* Requires Optional MSRL module).

Touch Panel Operation

Enjoy the ease of using the DR-2XE’s 3.5-inch Full Color Touch Panel Operation:

- Setup screen
- Frequency setting screen
- CTCSS setting screen

Other Features

- Internal AC Power Supply
- 19” Rack Mount Capable
- High Stability ± 2.5 ppm TCXO included
- DSQ (Digital Squelch Code) Signaling Feature
- CTCSS and DCS Signaling Feature

- ID Announcement Feature
- Remote/External Controller Interface
- Base Station Operation
- Time Out Timer
- Firmware Upgradeable

DR-2XE Supplied Accessories

- AC Cable
- DC Cable for backup battery
- PC Connection Cable SCU-20
- Rubber Feet (4)

DR-2XE Options

- DTMF Microphone MH-48A6JA
- Hand Microphone MH-42C6J
- Voice Guide Unit FVS-2

DR-2XE Specifications

- Frequency range 144 to 148 MHz, 430 to 450 MHz
- Channel steps 5/6.25 kHz
- Emission type F1D, F2D, F3E, F7W
- Frequency stability ± 2.5 ppm (-4°F to +140°F (-20°C to +60°C))
- Antenna impedance 50 ohms
- Supply Voltage AC 100 to 240 V
- DC 11.7 to 15.8 V, negative ground

Current consumption:

- 1.5 A (Receive)
- 13 A (50 W TX, 144 MHz band)
- 14 A (50 W TX, 430 MHz band)
- Operating temperature -4°F to +140°F (-20°C to +60°C)
- Dimensions: 19"(W) × 3.5"(H) × 15"(D)
- Weight : 22.05 lbs (10 kg) approximately

Transmitter

- RF power output 50/20/5 W
- Modulation type F1D, F2D, F3E Variable Reactance Modulation
- F7W 4FSK (C4FM)
- Spurious emission At least 60 dB below

Receiver

- Circuit type Double conversion super-heterodyne
- Intermediate frequencies 1st: 47.25 MHz, 2nd: 450 kHz
- Receiver sensitivity
- 0.3 .V (Digital 2 m/70 cm) BER 1%
- 0.2 .V (FM 2 m/70 cm) 12dB SINARD
- Adjacent Channel Selectivity Better than 65 dB TYP (20 kHz offset)
- Selectivity FM 12 kHz/35 kHz (-6 dB/-60 dB)
- Intermodulation Better than 65 dB TYP (20 /40 kHz offset)
- Audio output 4 W (4ohm., THD 10%, 13.8 V; internal speaker)

1'099 .- CHF

Der Kauf muss zwischen den 20/10/2017 und 31/12/2017 erfolgen.

Massimo GIANORA

GIANORA-HSU

Address: GIANORA-HSU, Forchstrasse 99d, CH-8132 Egg /ZH, Switzerland

Tel. +41 44 826 1628, Fax. +41 44 826 1629

<http://www.gianora-hsu.ch>

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