

# ALINCO

Simple-Clean-Dependable

## Performance and reliability in a small size !



Shown with EDS-17

HF 100W All Mode Transceiver

# DX-SR8



Alinco, a world leader in communications has developed a compact, dependable and easy-to-operate HF transceiver. From its detachable front panel and front-facing speaker to its logically laid out controls, the DX-SR8 is an intuitive design achievement. The DX-SR8 is engineered to be a quality transceiver able to endure heavy-duty cycles and harsh operating environments. There are many convenient features and a variety of setup parameters that will enhance its performance under demanding operating conditions. Alinco delivers high quality and superior value in the DX-SR8!

- **Coverage of All short-wave and HF amateur bands (DX-SR8T/DX-SR8E)**

Covers the 160m to 10m amateur bands including 5.3MHz (T-model only) in SSB, CW, AM and FM modes. Output power is 100W SSB/CW and FM, 40W in AM with low and super-low power settings for QRP operation. In addition, the general coverage receiver covers 135KHz to 30MHz in all modes.

- **Detachable front control panel**

Completely detachable front control panel with large LCD display lets you install the radio with greater flexibility whether in your car, boat or your shack. (Optional EDS-17 cable required)

- **Direct frequency entry via the key pads**

While the main dial tunes at the default 10Hz/resolution (adjustable in set mode), the numerical key pads can be used for fast direct frequency input, band selection and more.

- **Fight QRM with these STANDARD features**

Reject unwanted signals with the IF shift. Choose a narrow filter, a noise-blanker or use RIT/TXIT to stay out of QRM.

- **Emphasis on CW Operation**

An electronic keyer is standard. You can receive CW using either upper or lower side of the carrier frequency. Choice of side tone pitch, FULL (QSK), Semi or Auto break-in, split, narrow filter, AGC and RF gain.

- **World-class transmit audio quality**

A dynamic microphone (T/E models) and a speech compressor come standard for sharp, clear and powerful transmitting audio.

- **Enhanced scan modes**

A variety of scan modes are available including Priority, Search, Busy, Timed, Memory and Programmed scan. Timed scan setting does not require squelch-mute so you are able to monitor data-modes and broadcasts conveniently with memory search scan.

- **Additional convenient features include**

RF Attenuator and Pre-amplifier selectable in 4 steps / 3 TX power output levels with a Super-Low setting (QRP 0.1W~2W variable) / Dual VFO / 600ch memories in 3 banks / Connections for Auto-antenna tuner and Liner amplifier ALC output / Fully independent AF level, squelch, RIT and IF shift knobs / Dial lock and key lock / TX-RX lamp / Alphanumeric display / Auto-power-off / CTCSS encode for 10m FM repeater accesses / Microphone, Headphone and External speaker jacks on the front panel / Large, temperature-controlled internal cooling fan with anti-overheat output power limiter / High-SWR protection...and more!

# DX-SR8

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## Specifications

General		DX-SR8 ALL MODELS
Operating mode	J3E (USB, LSB), A3E (AM), A1A (CW), F3E (FM)	
Number of memory channels	600 channels simplex	
Antenna impedance	50Ω unbalanced	
Frequency stability	±1ppm	
Power requirement	13.8V DC ±15% (11.7 to 15.8V)	
Ground method	Negative ground	
Current drain	Receive	1.0A (max.) 0.7A (Squelched)
	Transmit	20A
Operating temperature	-10°C to 60°C (+14°F to +140°F)	
Dimensions	240(w)×94(h)×255(d) mm (Projections not included) (9.45" (w)×3.7" (h)×10" (d))	
	240(w)×100(h)×293(d) mm (9.45" (w)×3.94" (h)×11.54" (d))	
Weight	Approx. 4.1kg (9 pounds)	

### Transmitter

Power output	SSB, CW, FM	100W (Hi) Approx. 10W (LOW) Approx. 1W (S-LOW)
	AM	40W (Hi) Approx. 4W (LOW) Approx. 0.4W (S-LOW)
Modulation system	SSB	Balanced modulation
	AM	Low power modulation
	FM	Reactance modulation
Spurious emissions	Less than -50dB (Less than -45dB in 30m band)	
Carrier suppression	More than 40dB	
Unwanted sideband	More than 50dB (1kHz)	
Maximum FM deviation	± 2.5kHz	

### Receiver

Receiver type	Double conversion superheterodyne	
Sensitivity	SSB	(0.15 to 1.8MHz) 0dBu(1uV)
	CW	(1.8 to 30MHz) -12dBu(0.25uV)
	AM	(0.15 to 1.8MHz) +20dBu(10uV)
		(1.8 to 30MHz) +6dBu(2uV)
FM	(28 to 30MHz) -6dBu(0.5uV)	
Intermediate frequency	1st 71.75MHz 2nd 455kHz	
Selectivity	SSB, CW, AM (narrow)	2.4kHz/-6dB 4.5kHz/-60dB
	AM, FM	6kHz/-6dB 18kHz/-60dB
Spurious and image rejection ratio	More than 70dB	
Audio output power	More than 2.0W (8Ω, 10%THD)	
RIT variable range	±1.2kHz	

### Standard accessory

- EMS-53 (SR8: Electret condenser) or EMS-64 (SR8E/SR8T: Dynamic)
- DC cable
- Microphone hanger EBC-7

#### Authorized Dealer:

### DX-SR8 (General coverage)

Microphone impedance	2kΩ
Transmit Frequency coverage	1.6MHz - 29.99999MHz
Receiver Frequency coverage	30kHz - 34.99999MHz

Note: This version is not for amateur-radio use and may not be available to all countries of distribution. Proper commercial-use license is required.

### DX-SR8T (USA/Canadian Amateur)

Microphone impedance	300Ω		
Transmit Frequency coverage	160m band (1.8M)	1.80000 - 1.99999MHz	
	80m band (3.5M)	3.50000 - 3.99999MHz	
	* 60m band (5.3M)	5.33050MHz	5.34650MHz
		5.36650MHz	5.37150MHz
		5.40350MHz	
	40m band (7M)	7.00000 - 7.29999MHz	
	30m band (10M)	10.10000 - 10.14999MHz	
	20m band (14M)	14.00000 - 14.34999MHz	
	17m band (18M)	18.06800 - 18.16799MHz	
	15m band (21M)	21.00000 - 21.44999MHz	
12m band (24M)	24.89000 - 24.98999MHz		
10m band (28M)	28.00000 - 29.69999MHz		
Receiver Frequency coverage	135kHz - 29.99999MHz		

\* TX output power of 60m band is limited to 50W. (High; LOW 10W, S-LOW 1W)

### DX-SR8E (European and other regions Amateur)

Microphone impedance	300Ω	
Transmit Frequency coverage	160m band (1.8M)	1.80000 - 1.99999MHz
	80m band (3.5M)	3.40000 - 3.99999MHz
	60m band (5.3M)	—
	40m band (7M)	6.90000 - 7.49999MHz
	30m band (10M)	9.90000 - 10.49999MHz
	20m band (14M)	13.90000 - 14.49999MHz
	17m band (18M)	17.90000 - 18.49999MHz
	15m band (21M)	20.90000 - 21.49999MHz
	12m band (24M)	24.40000 - 25.09999MHz
	10m band (28M)	28.00000 - 29.99999MHz
Receiver Frequency coverage	135kHz - 29.99999MHz	

Note : All specifications are subject to change without notice or obligation.

### Optional Accessories

- EDX-2 automatic long-wire antenna tuner
- EDS-17 Front control remote kit  
(5m cable, front panel bracket, unit cover and hardware)
- EMS-14 Desktop microphone
- DM330/340MV series DC power supplies

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