

ALINCO®

Quality. Style. Performance!

VERSATILE HYBRID MAGIC!



Standard accessory

- EMS-64 (Dynamic)
- DC cable
- Microphone hanger EBC-7

NEW

1.9~29MHz 100W All Mode + SDR Transceiver

DX-SR9T



Come experience the excitement of HF..analog and SDR!

A new desktop radio designed to be affordable without compromising performance, the DX-SR9T boasts an analog easy-to-use transceiver featuring 3 ceramic filters with narrow modes and optional mechanical filter insertion capabilities; excellent 1ppm stability and an internal voice/data VOX circuit to easily interface the data-communication modes such as SSTV and PSK31.

Yes, the DX-SR9T is a hybrid, stand-alone analog and digital SDR transceiver, featuring simple operating commands, straight forward and logical key layout assures that you can start enjoying this state-of-the-art SDR transceiver from the moment you first power up!

With front-panel separation, large bright LCD display, front facing speaker, Auto-keyer and many other desired features the DX-SR9T is ready to capture the attention of everyone from a beginner in the world of Shortwave to the most experienced operators!

Note: The SDR feature consists of a high quality mixer output and I/Q signal.



Download free "KG-TRX" SDR software from Alinco.com.

Programming cable ERW-4C or ERW-7 is required for SDR operation.

DX-SR9T

(USA/Canadian Amateur)


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INCORPORATED

Specifications

General

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"×3.7"×10"(d))
	240(w)×100(h)×293(d) mm
	(9.45"×3.94"×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	CW, SSB (narrow)	1KHz/-6dB 3KHz/-60dB
	SSB, AM (narrow)	2.4KHz/-6dB 4.5KHz/-60dB
	AM, FM	9KHz/-6dB 20KHz/-50dB
Spurious and image rejection ratio	More than 70dB	
Audio output power	More than 2.0W (8Ω, 10%THD)	
RIT variable range	±1.2KHz	



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
- ERW-7 PC interface cable (USB)
- ERW-4C PC interface cable (Serial)

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)	5.25000 - 5.45000MHz
	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	150KHz - 29.99999MHz	

Note : All specifications are subject to change without notice or obligation.
Receive performance is degraded below 500 KHz.

Features

- General coverage receiver 150KHz~30MHz in AM/SSB/CW/FM and SDR modes
- Internal VOX eliminates optional interface box for PC connection
- Rugged, die-cast chassis and huge LCD display
- Front-speaker and powerful 2W audio output makes it easy to hear signals
- Front and rear jacks make PC interface easy
- Narrow ceramic filters (AM 2.4KHz/SSB 1KHz), 0.5KHz CW audio-filtering and optional mechanical filter insertion capabilities
- Dual VFO, 3 banks/600 memory channels, two sets of programmed search pairs and varieties of scanning modes
- IF shift, RIT, Noise blanker, 4-level RF preamp /attenuator, Auto-power-off, Sleep-timer, Dial/Key locks, indicator illumination and more at no extra cost.
- Computer utility software makes it easy to manage settings and edit memories

[About SDR]

The SDR system in DX-SR9T consists of I/Q signal output and a mixer circuit. It requires a high quality sound device (internal or USB-interface) and PC specs as follows. Please remember; Higher the PC spec, Better the SDR performance!

OS: Windows Vista or 7

CPU: Intel Core i5 2.4GHz equivalent or faster

Memory: 2GByte or more

Display resolution/color: 1024x768pixel, 32bit or more

Sound device: 48KHz 16bit sampling, capable of stereo record/replay (Tested with Creative Sound Blaster series)

Mouse: Center wheel and High-speed scroll feature

Cables: A pair of commonly available audio cables with 3.5mm stereo-plug

PC Speaker, PC microphone or headset(with microphone)

※ BEFORE you decide to purchase DX-SR9T, please visit alinco.com to download the KG-TRX SDR software. Please read the included instruction manual and start the program to understand how it works. If it may not satisfy your demand for SDR operation, just delete the downloaded file to uninstall. Alinco and its distributors are not responsible of compatibility troubles with your PC systems.

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