

# 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/E



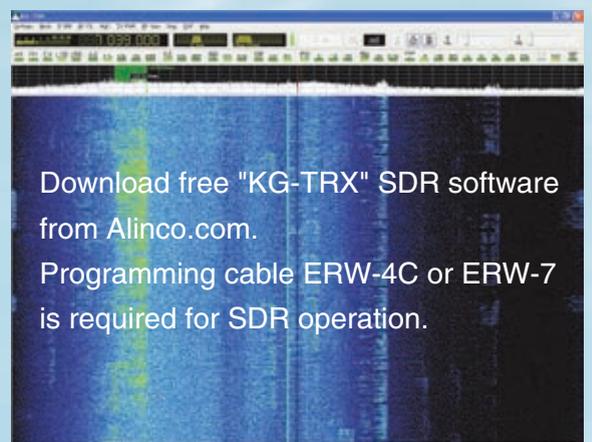
## Come experience the excitement of HF..analog and SDR!

A new desktop radio designed to be affordable without compromising performance, the DX-SR9 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-SR9 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-SR9 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/E

**ALINCO**  
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)<br>(9.45"(w)×3.7"(h)×10"(d)) |                              |
|                           | 240(w)×100(h)×293(d) mm<br>(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)<br>(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)

Authorized Dealer:

**ALINCO FRANCE**  
[www.alinco.fr](http://www.alinco.fr)

|                                   |                      | T-version           | E-version           |
|-----------------------------------|----------------------|---------------------|---------------------|
| Transmit Frequency coverage (MHz) | 160m band            | 1.80000 - 1.99999   | 1.80000 - 1.99999   |
|                                   | 80m band             | 3.50000 - 3.99999   | 3.40000 - 3.99999   |
|                                   | 60m band             | 5.25000 - 5.45000   | N/A                 |
|                                   | 40m band             | 7.00000 - 7.29999   | 6.90000 - 7.49999   |
|                                   | 30m band             | 10.10000 - 10.14999 | 9.90000 - 10.49999  |
|                                   | 20m band             | 14.00000 - 14.34999 | 13.90000 - 14.49999 |
|                                   | 17m band             | 18.06800 - 18.16799 | 17.90000 - 18.49999 |
|                                   | 15m band             | 21.00000 - 21.44999 | 20.90000 - 21.49999 |
|                                   | 12m band             | 24.89000 - 24.98999 | 24.40000 - 25.09999 |
| 10m band                          | 28.00000 - 29.69999  | 28.00000 - 29.99999 |                     |
| Receiver Frequency coverage       | 150KHz - 29.99999MHz |                     |                     |
| Microphone impedance              | 300Ω                 |                     |                     |

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-SR9 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-SR9, 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.

Alinco and ALINCO logo are registered trademarks of Alinco Incorporated, Japan in the United States, EU States, Russia, China and many other countries. All other trademarks are the properties of their respective holders.

Copyright Alinco, Inc., Osaka, Japan. All rights reserved. Although Alinco has designed this brochure to be as accurate and comprehensive as possible, we reserve the right to make changes at any time to our equipment line, optional accessories, specifications, standard accessories, or availability of any such devices we manufacture and distribute. Please note that certain products and accessories may not be available in all countries of distribution therefore consult your Authorized Alinco Dealer for product availability and pricing. Specifications apply only to ham bands unless otherwise specified. Colors of images herein may appear slightly different from actual products due to print. Permits required for MARS use.

**ALINCO, INC.** Electronics Division

Yodoyabashi Dai-Bldg 13F, 4-4-9 Koraibashi,

Chuo-ku, Osaka 541-0043 Japan

Phone: 06-7636-2362 Fax: 06-6208-3802

<http://www.ALINCO.com>E-mail: [export@alinco.co.jp](mailto:export@alinco.co.jp)