

# ALINCO

Simple-Clean-Dependable

0.05~1,299.99995MHz All Mode  
Wide Band Communications Receiver

# DJ-X11

*Get the power of a desktop in a hand-held radio!*

- 2VFO simultaneous RX
- Main-band coverage: 0.05~1,299.99995MHz all mode AM/FM/WFM/SSB/CW (BFO receive, not filtered) Receives short-wave! (An external antenna required for practical monitoring.)
- Sub-band coverage: VHF:118~171MHz/UHF:336~470MHz in AM/NFM
- 1200 memory channels with adjustable memory banks
- IQ signal and IF output features: DJ-X11 has an IQ signal output that can be used with 3rd-party software (freeware) to operate as a software defined radio. 10.7MHz IF signals can be used with other receiver-related software available on the internet.

SMA antenna connector



Receives short-wave



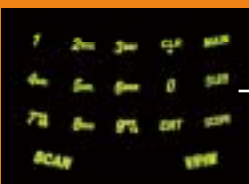
Alinco's patented ChannelScope checks signals on nearby frequencies for both bands



User-friendly icons



Large illuminated keypad & screen for easy operations



Optional ERW-8 enables the use of both clone-utility AND real-time control software.



Easy-to-use twin dial operation

Quick-release belt clip

Large function & monitor keys



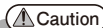
DC input jack

Long-lasting 1800mAh Li-Ion battery pack



PC-friendly signal outputs including IQ and detection circuit.

Internal bar-antenna  
Rugged poly-carbonate body with rubber protectors



Restrictions may apply to receive communications such as public-safety, air-band etc. in some countries.  
Please consult with the local authority before operating these products.  
Cellular frequencies blocked on T model sold in USA, unblocked model available in Canada and for authorized US users with proper documentation.



**ALINCO**  
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# Listen to the world with this pocket-size multi-mode receiver!

## Features

- Receives FM/WFM/AM/SSB/CW using SMA antenna with internal bar antenna for AM broadcast band reception
- Pocket size unit measures 61 (W) x 106 (H) x 38 (D) mm / 2.4 (W) x 4.17 (H) x 1.50 (D) in (without projections)
- Selectable tuning steps:  
0.05/0.1/1/5/6.25/8.33/9/10/12.5/15/20/25/30/50/100/125/150/200/500kHz/1MHz
- Various scan modes: Preset, programmed, memory, VFO and tone scan
- TSQ and DCS decode
- Wire remote-control using optional EDS-12
- Long-lasting 1800mAh Li-Ion battery pack provides nearly 15 hours of operation at full audio output in a single RX mode
- 1200 Alphanumeric (up to 16 characters) memory channels with six types of memory banks; banks can be expanded up to 50 banks by using free, downloadable software
- 100 memory channels are available for each Dual-mode memory, Search-pass, Priority monitoring and Programmed Scanning pairs
- Large, illuminated full dot-matrix LCD
- Illuminated keypad for comfortable operation
- Standard Drop-in charger fully charges empty EBP-74 in 4 hours
- RF gain and attenuator for both main/sub VFOs
- Frequency counter and flash tune
- "Bug detector" function searches for hidden transmitters
- Three selectable scan speeds
- Clone function

## PC connections

ERW-7 allows you to use clone or utility software only.  
ERW-8 enables the use of both clone-utility AND real-time control software.  
Both types of software are available for download at no charge through [www.alinco.com](http://www.alinco.com). To use 3rd party SDR freeware, you will need to purchase a 3.5mm stereo mini-plug cable for connection to a PC. Functions are not guaranteed when used with 3rd party software. (ERW-4C serial cable is usable as a replacement to ERW-7 but it doesn't support firmware-update operations of DJ-X11.)

## Indicative Battery duration

- \* FM, single VFO, AF10% THD, 1 min RX/4 min Stand-by  
EDH-36 (with Alkaline cells) or EBP-74 : Approx. 35 hours
- \* FM, single VFO, Max AF output  
EBP-74 : Approx. 15 hours

## Standard accessories

Instruction manual / Whip antenna (EA-154) / Li-Ion battery-pack (EBP-74 :1800mAh, 3.7V) / Belt-clip (EBC-23) / Handstrap / Drop-in charger kit EDC-174A (120V) or EDC-174E (220V) / Dry cell case (EDH-36)

\* May vary, please ask your dealer before purchase.



## Authorized Dealer:

## Optional accessories

- EBP-74 : Li-Ion battery pack for spare
  - EDC-174 : Drop-in charger stand for spare
  - EDC-139 : AC adapter (T/120V) for spare
  - EDC-140 : AC adapter (E/230V) for spare
  - EDC-141 : AC adapter (UK-plug/230V) for spare
  - EDH-33 : Cigar-plug DC conversion cable (12Vdc/24Vdc to 6Vdc)
  - EDH-36 : Dry cell case (3 AA cells) for spare
  - EDS-12 : Wire Remote-controller
  - EME-26 : Curly-cord Earphones
  - EME-6 : Straight-cord Earphones
  - ERW-8 : Mini USB/USB ports PC interface cable (Full-functions)
  - ESC-50 : Softcase
- ( ERW-7 USB port PC interface cable can be used for clone-utility only. )

## Specifications

### General

	Main VFO 0.05~1299.99995 MHz All-modes
	Sub VFO 118~170.995MHz & 336~469.995MHz AM/FM
Receiving range	Note: 824~850MHz, 869~895MHz blocked on T models. EGR version receives only broadcasts and Ham bands. 225~335.995 MHz in AM/FM may be usable although off-specification
Modulation mode	FM,WFM,AM,SSB(USB/LSB),CW(CU/CL)
Ant.impedance	50 ohm (SMA)
Supply voltage	DC 3.7V (EBP-74) / DC 4.5V (EDH-33) DC 5.4V~6.0V (external regulated source) negative ground
Current consumption	approx.130mA Monoband / 180mA Dualband
Temperature range	-10 to +60°C ( +14~+140°F)
Frequency stability	-7 to +3ppm
Dimensions	61 (W) x 106 (H) x 38 (D) mm 2.4 (W) x 4.17 (H) x 1.50 (D) in (without projections)
Weight	Approx.235g / 8.29 oz (Ant.& EBP-74 inclusive)

### Receiver

System	Triple-conversion super heterodyne AM/SSB/CW/FM in Main VFO Double-conversion super heterodyne AM/FM in Sub VFO and WFM in Main VFO
Selectivity	SSB/CW -6dB : 2kHz or more -50dB : 7.5kHz or less AM/FM -6dB : 12kHz or more -60dB : 35kHz or less WFM -6dB : 180kHz ±40kHz -20dB : 470kHz or less
Audio output power	more than 100mW (8ohm 10%THD)

### Sensitivities (typical value 10dB S/N:AM/SSB/CW 12dB SINAD:FM/WFM)

Main-band:	Sub-band:
0.050~0.531MHz ( AM )	118~136MHz ( AM ) -3dBμ
0.531~1.62MHz ( AM )	136~170MHz ( FM ) -14dBμ
1.62~76MHz ( AM )	336~470MHz ( FM ) -14dBμ
1.62~76MHz ( SSB,CW )	
1.62~76MHz ( FM )	●225~335.995 MHz in AM/FM may be usable although off-specification. Sensitivity is better closer to 336MHz. This band is closed at the default setting,
76~108MHz ( WFM )	
108~136MHz ( AM )	
136~174MHz ( FM )	
175~221.75MHz ( WFM )	
221.8~336MHz ( AM )	
336~475.75MHz ( FM )	
475.75~770MHz ( WFM )	
770~1260MHz ( FM )	
1260~1300MHz ( FM )	

\* Specifications subject to change without notice or obligation. Cellular frequencies blocked on USA model. Unblocked K-version available with proper documentation for authorized users only.

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