

JAX-9B

Weather fax



– a very compact and lightweight solution that allows for flexible operation

- 10” effective recording width**
 - Multiple recording modes available**
 - View image instantly with PC output option**
 - Automatic frequency selection**
 - Easy operation and highly reliable read-out**
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JAX-9B Weather fax – performance features

Unique features

- The JAX-9B weather facsimile receiver is a very compact and lightweight solution, incorporating a set of enhanced features that allows for flexible operation.

Flexible operation and recording system

The received fax broadcasts are recorded on thermal recording paper, using a thermal head with less moving parts. JRC integrated an automatic frequency selection, allowing for optimised receiving. The JAX-9B can receive in four different modes.

- **Automatic recording** All operations can be remotely controlled to automatically start up, set parameters, receiving images, feed paper, and stop by remote signals from the broadcasting stations. Only halftone recording is manually controlled.
- **Manual recording** You can manually set the index of co-operation (IOC), scanning speed, and the halftone recording. The JAX-9B automatically records the stops in this mode.
- **Forced recording** This is an extensive function of the automatic recording mode. The JAX-9B can manually record while neither in automatic or manual recording mode, also while broadcasting is in progress. Phasing is done manually. It also adopts to a unique system to terminate phase matching instantaneously.
- **Timer programme recording** The period of the start and stop modes, station frequencies, and half-tone on/off are easy programmable. Whilst combined with the fully automatic mode, and unattended, error-free operation is made possible.

JRC StarNetwork™

JRC has been providing sales and support of products since 1915. Today, JRC offers comprehensive assistance through its organisation, in partnership with a worldwide StarNetwork™ of over 270 fully trained and qualified partners and agents, assisting you 24 hours a day, 7 days a week and 365 days a year.



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JAX-9B Weather fax – system flexibility

Fine half-tone recording

Pictures of clouds can be recorded in 16 gradation levels. This digital method ensures high resolution recording, using a proprietary system that finely reproduces maps and latitude and longitude grids with very fine and accurate lines.

Synthesised receiver

The built-in synthesised receiver is capable of setting any receiving frequency from the ten-key pad, and is able to preset up to 90 spot frequencies in the memory. This feature is very effective when receiving any new broadcast frequency and changing the station frequency.

Printout of frequencies and programme lists

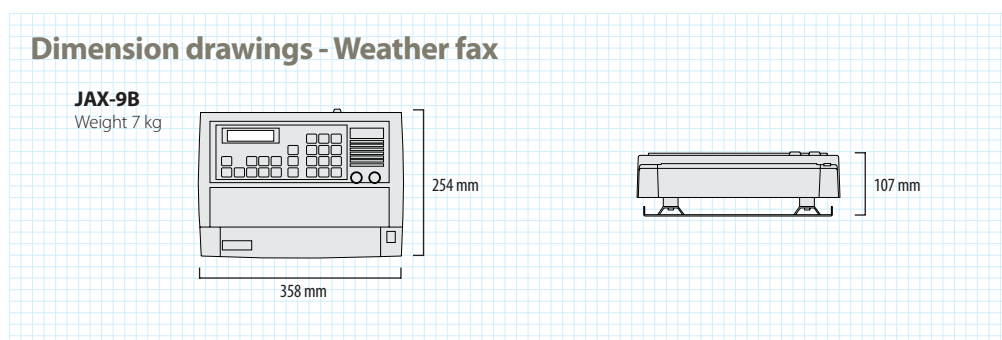
Up to 90 channels of memory frequencies and up to 15 channels of programme lists can be printed out on the recording paper. This function is especially useful for setting programming and checking the stored frequencies.

Compact, lightweight design

The JAX-9B weather fax is remarkably compact and lightweight, allowing for a more flexible installation approach in confined spaces.

New enhanced interfaces

All received faxes can be displayed on your own PC, allowing you to view (and save) the image before seeing the actual recorded image. This function allows you to quickly view the image digitally, which greatly facilitates the need for immediate decisions. On top, the JAX-9B can also be configured for remote maintenance. JRC has developed a unique function that is capable for remotely monitoring and analysing for any faults that may occur in the system, allowing for prompt action and service.



What's standard in the box?

1. Weather fax
2. Protective cover
3. Spare parts
4. RF connector (for antenna cable)
5. Recording paper (fitted in weather fax)
6. Manual (English)

JAX-9B Weather fax

– specifications

Model		JAX-9B
Functional ability		
Recording system		solid state thermal head
Recording paper		1) thermo sensitive recording paper
Effective recording width		256mm (10")
Index of cooperation (IOC)		576 or 288
Scanning speed		60, 90, 120, 240 SPM
Scanner resolution		8 dots/mm
Scanning line density		approx. 7 lines/mm, 3.5 lines/mm
Phase matching		automatic and manual
Halftone recording		16 steps by dither pattern
Negative/positive recording		manual
External receiver connect.		0dBm, 600Ω
Operation modes		automatic, manual, forced, timer programme
Timer programme channel		15 channels
JSC adapter connection		yes (for scrambled broadcasts)
Setup data list recording		receiving frequency list, timer programme channel list
Setup data storing		EEPROM
Self test function		recording and panel test
Automatic time correction		input via GPS data
Image data output		display received images on PC (option)
Remote maintenance		yes (option)
Synthesised receiver		
Receiving system		phase locked type frequency synthesised with up-conversion and double super heterodyne type
Frequency range		2.0000 to 24.9999 MHz
Frequency selection		automatic
Frequency memory		up to 90 channels
Sensitivity		2μV (+6dBμ) or less for antenna input to obtain the output of -5dBm at 20dB S/N
IF selectivity		6dB down point: 2.4 kHz to 3 kHz 66dB down point: 6 kHz or less
Image rejection ratio		more than 60dB
Environmental conditions		
Ambient temperature		operation: -15°C to +55°C performance: 0°C to +40°C
Ambient humidity		93% (40°C) or less recording is 80% or less
Power supply		DC 12/24/32V 10% to +30%, 70VA or less
Optional items		
AC/DC power supply		NBA-5143
PC interface kit		2) 7ZZNA4016
Fax image display		3) 7ZZNA4017
Joint box (cable insertion Ø12mm)		JQD-69C
Whip antenna (6m)		NAW-60
Antenna feeder		RG-10/U and RG-10/UY
Recording paper		6ZPTS00108

1) Width 260mm and height 25m per roll

2) Terminal block (TB103) for PC connection - JRC RMS

3) RS422/USB converter, image viewer software and manual (requires 7ZZNA4016)

All specifications are subject to change without notification.

For further information please contact:



Japan Radio Co., Ltd.

JRC

Cessnalaan 40-42

1119 NL, Schiphol-Rijk, The Netherlands

T +31 20 6 580 750

F +31 20 6 580 755

E sales@jrceurope.com

W www.jrceurope.com