

13. Reset Function

The DJ-X11 provides two types of reset operations: Partial reset which initializes only the Set mode and LCD display settings; and All reset which deletes memory data as well.



CAUTION

- Remember that you cannot restore data deleted in Memory mode.

13-1 Reset

This function resets the DJ-X11 to the condition before shipment.

Use this function if you get lost while operating the DJ-X11 or if the DJ-X11 does not operate properly.

- **Partial reset**

- 1 Turn off the DJ-X11**
- 2 While holding down the [FUNC] key, turn on the DJ-X11.**
- 3 When “Reset completed” appears on the LCD, release the key.**

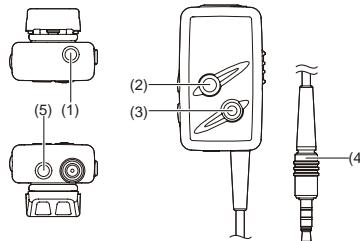
- **All reset**

This function is not used under normal conditions. The All reset should be used only by advanced users on rare occasions such as to edit all memory data by themselves. For the procedure, refer to (P. 106).

14. Using the Optional Remote Controller

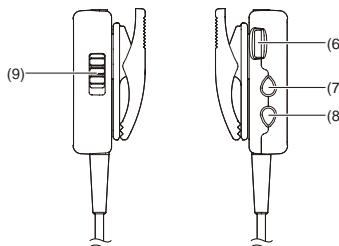
14-1 Using the Remote Controller

14-1-1 Top/Bottom/Front panels



No.	Item	Description
(1)	Earphone jack	Earphone output jack. Connect earphones or other output devices.
(2)	Operation key A	Used to change the band to be operated (MAIN/SUB).
(3)	Operation key B	Used to switch the frequency bands.
(4)	Earphone cord	Plug this cord into the earphone jack of the DJ-X11
(5)	Audio input jack	Connect an MP3 player or other portable audio player. using its appropriate AUX in/output accessory cable.

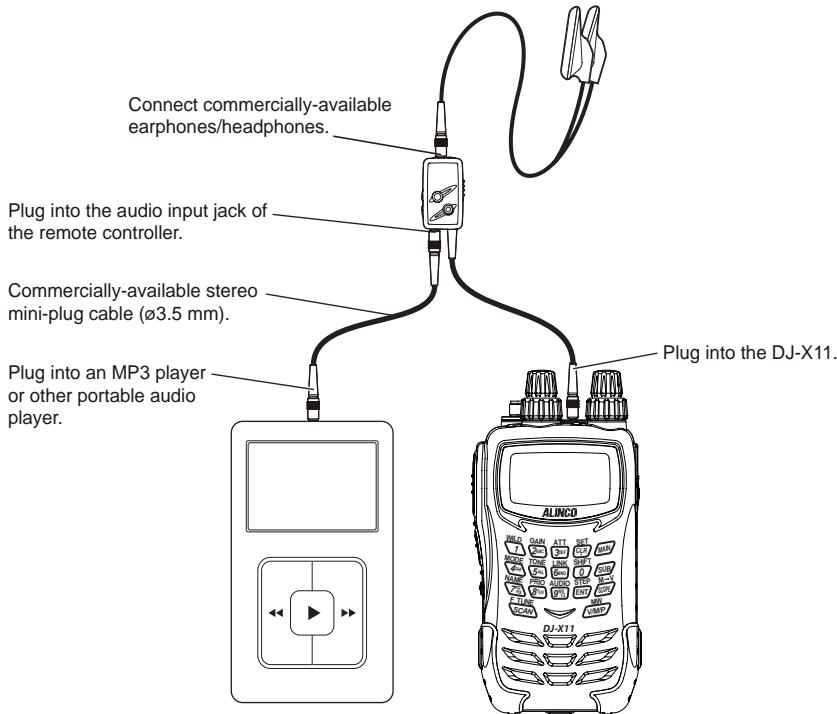
14-1-2 Side panel



No.	Item	Description
(6)	Volume control	Used to adjust the volume of DJ-X11. The volume of connected audio device from the audio input jack (5) cannot be changed.
(7)	Operation key C	Increase the frequency.
(8)	Operation key D	Decrease the frequency.
(9)	Lock switch	Used to lock the keys of the remote controller.

14-2 Connecting the Remote Controller

The following figure shows the connection of the remote controller.



14-3 Remote Controller Functions

- Both monaural and stereo earphones/headphones can be used.
- You can connect an MP3 player or other portable audio player to the remote controller and listen to music in stereo sounds. When the squelch opens, the input is automatically switched to the DJ-X11.
- You can assign functions you wish to the operation keys A, B, C and D.(See page [P95](#))

15. Maintenance and Reference

15-1 Troubleshooting

Please check the list below before concluding that the receiver is faulty. If a problem persists even after performing the actions below, try resetting the receiver. This may correct erroneous operations.

Symptom	Possible Cause	Action
Nothing appears on the LCD when you turn the power ON.	Poor battery contact	Check that the battery terminals are clean.
	Flat batteries	Recharge the battery pack or replace dry-cell batteries with new ones.
	Releasing the [PWR] key too quickly	Press the [PWR] key for 1 second until the receiver turns on.
No speaker audio/ No reception	Volume level is too low.	Adjust the volume level.
	Squelch level is too high.	Adjust the squelch level.
	Tone Squelch is ON.	Deactivate the Tone Squelch.
	Mute function is ON.	Deactivate the Mute function.
Frequency display is incorrect. DJ-X11 doesn't operate properly.	CPU error	Uninstall the batteries or unplug the external power supply. Wait for at least 10 seconds, and reinstall the batteries or reconnect the power supply. If the problem persists, reset the receiver.
The receiver does not scan.	Squelch is open.	Adjust the squelch level until noise disappears.
Frequency and memory channel number do not change.	Key-lock is ON.	Release the Key-lock.
Keys do not operate.	Key-lock is ON.	Release the Key-lock.
The display flashes or goes off during signal reception.	The battery power is low.	Charge the battery back or replace the dry batteries with new ones.
Charging fails.	The charging terminals of the charger are dirty.	Wipe off the dirt on the charging terminals and the contacts of the battery pack with a dry cloth.

- If you need after-sales service or support, contact your Alinco dealer. To search for your nearest dealer, use the “DISTRIBUTION” page on our web site (<http://www.alinco.com/usa.html>).
- For the DJ-X11, updated firmware (operating program written on the chip inside the receiver) may be delivered from the web site. Consequently, your DJ-X11 may operate differently from the description in this manual depending on its firmware version.
- Before you contact our service center about the DJ-X11, please check the firmware version by following the procedure below:
 1. Hold down the [FUNC] key for approximately one second to activate the Key-lock.
 2. Press the  key 10 times continuously to display the version number.
 3. Press the [FUNC] key to return to the operation mode.

15-2 Optional Accessories List

- Soft Case (ESC-50)
- Curl-Cable Earphone (EME-26)
- Miniature Earphone (EME-6)
- Cigarette Lighter Cable (EDH-33)
- Remote Controller (EDS-12)
- PC Connection Cable (ERW-4C: Serial port)
- PC Connection Cable (ERW-7: ø3.5 mm to USB)
- PC Connection Cable (ERW-8: Mini USB to USB)

15-3 After-sales Service

■ Warranty period

Please ask warranty policy to your dealer before purchase.

■ After the warranty period

Contact your Alinco dealer or service contact. If the performance can be retained by repairing the product, we will repair it at cost on your request. If you have any questions about after-sales service, contact your Alinco dealer or service contact.

If you have any questions about after-sales service, contact your Alinco dealer or service contact.

■ Service limit for discontinued products

As for discontinued products, service parts will be in stock for the specified period shown below.

Note, however, that stock may run out earlier due to unexpected conditions, making repair impossible.

* The warranty period for service parts is five years after discontinuation.

* For more information on our customer service, visit our web site at (<http://www.alinco.com/>).

All reset operations



MEMO

- Procedure for All Reset which includes deletion of all memory channel data
The procedure for the normal reset is described on (P. 101).

- 1 While holding down the [FUNC], ^{WILD}_W, and ^{MN}_{VOLUME} keys, turn on the DJ-X11.
- 2 When “All reset completed” appears on the LCD, release the keys.



CAUTION

- Note that you cannot restore the memory after All reset unless you made a backup using the clone utility.

16. Index

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17. Specifications

17-1 Specifications

Receiveable frequency range	Receiveable frequency range (Main band): 0.05 to 1300MHz Receiveable frequency range (Sub band): 118 to 171MHz, 336 to 470MHz (USA T version: cellular frequencies [824.000 ~ 849.9995MHz, 869.000 ~ 894.9995MHz] are blocked.)																									
Frequency step	0.05/0.1/1/5/6.25/8.33/10/12.5/15/20/25/30/50/100/125/150/200/500kHz/1MHz																									
Modulation mode	AM/SSB/CW/FM/WFM																									
Power supply voltage	Operating range (External power supply port): 5.4 ~ 6VDC Standard battery: 4.5V (AA battery), 3.7V (Lithium ion battery)																									
Current consumption	Average: Mono-band: Approx. 130mA, Dual-band: Approx. 180mA (6.0VDC)																									
Operating temperature range	-10°C ~ +60°C per CE (+14°F ~ +140°F)																									
Dimensions	61 (W) x 106 (H) x 38 (D) mm / 2.4 (W) x 4.17 (H) x 1.50 (D) in (projection exclusive)																									
Weight	Approx. 235g / 8.29oz (antenna and lithium ion battery pack inclusive)																									
Receiver	<p>Reception method (Main band): AM/SSB/CW/FM: Triple-conversion Super-heterodyne WFM: Double-conversion Super-heterodyne AM/FM: Double-conversion Super-heterodyne</p> <p>Reception method (Sub band):</p> <table> <tr> <td>Intermediate frequency: AM/SSB/CW/FM (Main band)</td> <td>1st intermediate frequency: 243.95MHz 2nd intermediate frequency: 45.055MHz 3rd intermediate frequency: 455kHz</td> </tr> <tr> <td>WFM (Main band): AM/FM (Sub band):</td> <td>2nd intermediate frequency: 10.7MHz 1st intermediate frequency: 51.65MHz 2nd intermediate frequency: 450kHz</td> </tr> </table> <p>Sensitivity (Main band):</p> <table> <tr> <td>0.050 to 0.531MHz (AM): 5dBμ (10dB S/N)typ</td> </tr> <tr> <td>0.531 to 1.62MHz (AM): 2dBμ (10dB S/N)typ</td> </tr> <tr> <td>1.62 to 76MHz (AM): -5dBμ (10dB S/N)typ</td> </tr> <tr> <td>1.62 to 76MHz (SSB,CW): -10dBμ (10dB S/N)typ</td> </tr> <tr> <td>1.62 to 76MHz (FM): -15dBμ (12dB SINAD)typ</td> </tr> <tr> <td>76 to 108MHz (WFM): -3dBμ (12dB SINAD)typ</td> </tr> <tr> <td>108 to 136MHz (AM): -6dBμ (10dB S/N)typ</td> </tr> <tr> <td>136 to 174MHz (FM): -14dBμ (12dB SINAD)typ</td> </tr> <tr> <td>175 to 221.75MHz (WFM): -6dBμ (12dB SINAD)typ</td> </tr> <tr> <td>221.8 to 336MHz (AM): 0dBμ (10dB S/N)typ</td> </tr> <tr> <td>336 to 475.75MHz (FM): -13dBμ (12dB SINAD)typ</td> </tr> <tr> <td>475.75 to 770MHz (WFM): -13dBμ (12dB SINAD)typ</td> </tr> <tr> <td>770 to 1260MHz (FM): -9dBμ (12dB SINAD)typ</td> </tr> <tr> <td>1260 to 1300MHz (FM): -6dBμ (12dB SINAD)typ</td> </tr> </table> <p>Sensitivity (Sub band):</p> <table> <tr> <td>118 to 136MHz (AM): -3dBμ (10dB S/N)typ</td> </tr> <tr> <td>136 to 170MHz (FM): -14dBμ (12dB SINAD)typ</td> </tr> <tr> <td>336 to 470MHz (FM): -14dBμ (12dB SINAD)typ</td> </tr> </table> <p>Selectivity:</p> <table> <tr> <td>AM/FM: -6dB/12kHz or more, -60dB/35kHz or less</td> </tr> <tr> <td>SSB/CW: -6dB/2kHz or more, -50dB/7.5kHz or less</td> </tr> <tr> <td>WFM: -6dB/180kHz±40kHz, -20dB/470kHz or less</td> </tr> </table> <p>Audio output power:</p> <table> <tr> <td>More than 100mW (8Ω)</td> </tr> </table>	Intermediate frequency: AM/SSB/CW/FM (Main band)	1st intermediate frequency: 243.95MHz 2nd intermediate frequency: 45.055MHz 3rd intermediate frequency: 455kHz	WFM (Main band): AM/FM (Sub band):	2nd intermediate frequency: 10.7MHz 1st intermediate frequency: 51.65MHz 2nd intermediate frequency: 450kHz	0.050 to 0.531MHz (AM): 5dB μ (10dB S/N)typ	0.531 to 1.62MHz (AM): 2dB μ (10dB S/N)typ	1.62 to 76MHz (AM): -5dB μ (10dB S/N)typ	1.62 to 76MHz (SSB,CW): -10dB μ (10dB S/N)typ	1.62 to 76MHz (FM): -15dB μ (12dB SINAD)typ	76 to 108MHz (WFM): -3dB μ (12dB SINAD)typ	108 to 136MHz (AM): -6dB μ (10dB S/N)typ	136 to 174MHz (FM): -14dB μ (12dB SINAD)typ	175 to 221.75MHz (WFM): -6dB μ (12dB SINAD)typ	221.8 to 336MHz (AM): 0dB μ (10dB S/N)typ	336 to 475.75MHz (FM): -13dB μ (12dB SINAD)typ	475.75 to 770MHz (WFM): -13dB μ (12dB SINAD)typ	770 to 1260MHz (FM): -9dB μ (12dB SINAD)typ	1260 to 1300MHz (FM): -6dB μ (12dB SINAD)typ	118 to 136MHz (AM): -3dB μ (10dB S/N)typ	136 to 170MHz (FM): -14dB μ (12dB SINAD)typ	336 to 470MHz (FM): -14dB μ (12dB SINAD)typ	AM/FM: -6dB/12kHz or more, -60dB/35kHz or less	SSB/CW: -6dB/2kHz or more, -50dB/7.5kHz or less	WFM: -6dB/180kHz±40kHz, -20dB/470kHz or less	More than 100mW (8Ω)
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More than 100mW (8Ω)																										

* The ratings and specifications are subject to change without notice.

17-2 The Band-plans

17-2-1 Switching the main band

- E Pan-Europe version

Default (MAIN)	Frequency range
.150(AM)	(50 ~ 521kHz)*1
.522(AM)	(522 ~ 1620kHz)*2
1.625(AM)	(1.625 ~ 49.99995MHz)
51.000(FM)	(50.000 ~ 75.900MHz)
87.600(FM)	(76.000 ~ 87.99995MHz)
118.000(AM)	(88.000 ~ 141.975MHz)
145.000(FM)	(142.000 ~ 169.9875MHz)
180.750(WFM)	(170.000 ~ 229.750MHz)
270.000(AM)	(230.000 ~ 335.900MHz)
380.000(FM)	(336.000 ~ 429.9875MHz)
433.000(FM)	(430.000 ~ 469.9875MHz)
476.750(WFM)	(470.000 ~ 869.9875MHz)
870.000(FM)	(870.000 ~ 959.950MHz)
1295.000(FM)	(960.000 ~ 1299.9875MHz)

*1 Selectable channel steps are 50 Hz, 100 Hz, and 1 kHz.

*2 Selectable channel steps are 1 kHz and 9 kHz.

Preset mode

Default (SUB)	Frequency range
FM broadcasting	87.6 – 107.9MHz
Analog TV	2ch-12ch/21ch-69ch
AM broadcasting	0.522 – 1.620KHz

• E UK version

Default (MAIN)	Frequency range
.150(AM)	(50 ~ 521kHz)*1
.522(AM)	(522 ~ 1620kHz)*2
1.625(AM)	(1.625 ~ 49.99995MHz)
51.000(FM)	(50.000 ~ 72.795MHz)
72.800(FM)	(72.800 ~ 87.4875MHz)
118.000(AM)	(87.500 ~ 141.975MHz)
145.000(FM)	(142.000 ~ 169.9875MHz)
180.750(WFM)	(170.000 ~ 238.000MHz)
270.000(AM)	(240.000 ~ 335.400MHz)
380.000(FM)	(335.425 ~ 429.975MHz)
433.000(FM)	(430.000 ~ 446.09375MHz)
446.100(FM)	(446.100 ~ 917.000MHz)
917.0125(FM)	(917.0125 ~ 959.950MHz)
1295.000(FM)	(960.000 ~ 1299.9875MHz)

*1 Selectable channel steps are 50 Hz, 100 Hz, and 1 kHz.

*2 Selectable channel steps are 1 kHz and 9 kHz.

Preset mode

Default (SUB)	Frequency range
FM broadcasting	87.6 – 107.9MHz
Analog TV	21ch-69ch
AM broadcasting	0.522 – 1.620KHz

• T,K, version

Default (MAIN)	Frequency range
.15(AM)	(50 ~ 529kHz)*1
.530 AM)	(530 ~ 28.99995MHz)*2
29.000 FM)	(29.000 ~ 59.745MHz)
59.750(WFM)	(59.750 ~ 107.99995MHz)
145.000(FM)	(108.000 ~ 215.99995MHz)
216.000(FM)	(216.000 ~ 399.99995MHz)
400.000(FM)	(400.000 ~ 959.99995MHz)
960.000(WFM)	(960.000 ~ 1299.99995MHz)

*1 Selectable channel steps are 50 Hz, 100 Hz, and 1 kHz.

*2 Selectable channel steps are 1 kHz and 9 kHz.

17-2-2 Switching the sub band

Press the **SUB** key and select from the following four bands displayed in this order.

Default (SUB)	Frequency range
118.000 (AM)	(118.000 ~ 141.995MHz)
145.000 (FM)	(142.000 ~ 170.995MHz)
352.000 (FM)	(336.000 ~ 429.995MHz)
433.000 (FM)	(430.000 ~ 469.995MHz)

- The default is set to "Auto". It is unnecessary to change the "Auto" setting under normal conditions. Change the setting to receive a frequency which cannot be tuned to automatically.
- For the sub band, channel steps of 50 Hz, 100 Hz through 1 kHz and 9kHz cannot be selected.

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