

2.Features

The DJ-G29T has the following features:

- 1.The DJ-G29T is a dual band handheld transceiver that allows transmitting and receiving on 902MHz frequencies as well as 222MHz.
- 2.A full-duplex system that allows operating the main band and the sub band simultaneously.
- 3.Independent dials are provided respectively to the main band and the sub band. The operating frequencies, volume and squelch levels can be adjusted.
- 4.It features a large-screen full-matrix LCD with clear characters and easy-to-read icons that facilitates easy operation.
- 5.The DJ-G29T includes a VOX function allowing “hands-free” contacts.
- 6.A clone function allows copying configurations and various data between DJ-G29T units. Configurations and data can also be edited when connected to a PC (optional cable required).
- 7.Includes CTCSS/DCS/reverse tone squelch functions as standard .
- 8.Alinco's patented channel scope function allows visually monitoring signals received on the main channel and those nearby.
- 9.A “Wild Key” that allows jumping to a frequently used set-mode function.

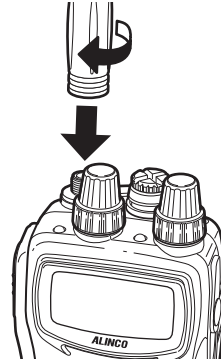
3.Installing Accessories

3

3-1 Antenna

3-1-1 Attaching the Antenna

- 1.Hold the antenna by its base and turn it clockwise (right).
- 2.When it stops, confirm the antenna is securely connected.



CAUTION!

TRANSMITTING WITHOUT AN ANTENNA
MAY DAMAGE THE TRANSCEIVER.



MEMO

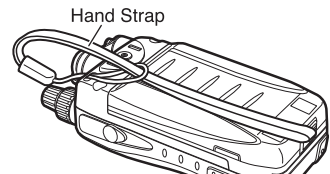
- The SMA connector on the transceiver may also be used with external antennas.

3-1-2 Removing the Antenna

- 1.To disconnect, turn the antenna counter clockwise.

3-2 Hand Strap

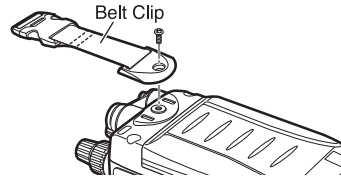
- 1.Attach the hand strap to the hole at the back of the product as shown in the illustration.



3-3 Belt Clip

3-3-1 Attaching the Belt Clip

1.Fix the belt clip along the groove on the back of the product, and turn the screw clockwise (right).



2.Confirm that the belt clip is securely attached.

*There are cases when the screw loosens. Check the screw occasionally.

*The belt clip is adjusted for use with a maximum belt width of 8 centimeters.

3-3-2 Removing the Belt Clip

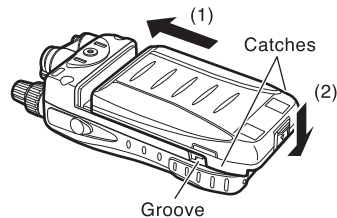
1.Turn the screw counter-clockwise (left) and remove the belt clip.

3-4 Battery Pack

To charge the Li-ion battery pack (EBP-73), please refer to “Charging Battery Packs with a Desktop Charger (P.23)” and “Charging Battery Packs with the DC Jack (P.22)”.

3-4-1 Attaching the Battery Pack

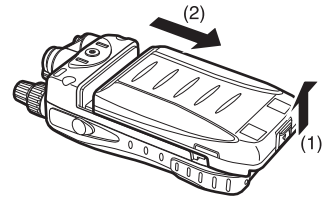
1.Align the catches on the transceiver with the grooves on the battery pack, and push the battery pack in the direction of the arrow (1).



2.Slide the latch in the direction of the arrow (2).

3-4-2 Removing the Battery Pack

- 1.Slide the latch at the bottom of the battery pack in the direction of the arrow (1), and remove the battery pack (2).



CAUTION

- The battery pack is not fully charged when shipped. It must be charged before use. Charging should be conducted within a temperature range of 0°C to +45°C (+32°F to +104°F).
- Do not modify, dismantle, incinerate or immerse the battery pack in water as such actions can be dangerous.
- Never short-circuit the battery pack terminals, as this can cause damage to the equipment or lead to overheating the battery which may cause burns.
- Unnecessary prolonged charging (overcharging) can deteriorate battery performance.
- The battery pack should be stored in a dry place where the temperature range is within -10°C to +45°C (-14°F to +113°F). Temperatures outside this range can cause the battery liquid to leak. Exposure to prolonged high humidity can cause corrosion of metal components.
- The battery pack is a consumable part. When its operating time becomes considerably short after a normal charge, it is likely the pack is exhausted and should be replaced with a new one.
- The battery pack is recyclable. When its useful life is over, it should be recycled by taking it to your local waste management or recycling facility.
- Wipe off dirt and condensation from the surface of the transceiver, battery pack and charger with a soft, dry cotton cloth periodically.
- If you're not using the battery pack for an extended period, charge it once every 3 months to prevent deterioration of the batteries.

3-5 Charging Battery Packs with the DC Jack

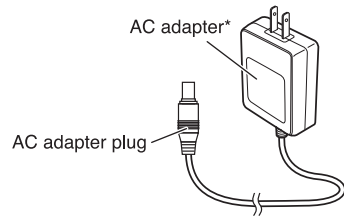
This product uses an adapter and a DC power supply (DC 12 V, more than 1A: IEC/EN60950 standard) that allows charging the Li-ion battery pack through the transceiver. When fully discharged, it can be charged in approximately 5 hours.

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1.Refer to “Battery Pack (P.20),” and attach the battery pack.

2.Connect the plug of the adapter to the DC jack of the DJ-G29T, then plug the adapter into a wall outlet.

*The adapter shown in the illustration may vary depending on the product you have purchased.



•Refer to “Battery Charge Level Icon (P.25)” for an indication the battery is charging.



- Do not transmit or receive when using the DC adapter. It may cause a malfunction. The provided adapter is for battery charging only.
- Use only reliable power supply of specific DC output range and be mindful of the polarity of the cable and DC-jack.
- Do not plug the power supply into the wall socket if the contacts are dirty. Short-circuit and/or overheating may result in fire, electric shock and/or damage to the product.



MEMO

- Please read the cautionary statement included with the optional accessories, and use the product properly and safely.
- If the supply voltage is unstable, the charger will not operate properly.

3-6 Charging Battery Packs with a Desktop Charger

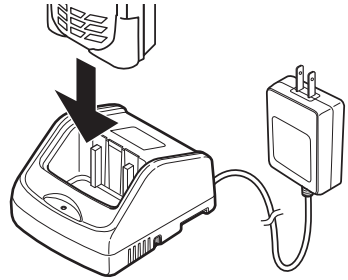
When using the Desktop Charger, the product can be fully charged in approximately 3 hours.

1.Connect the Desktop Charger to the adapter plug.

2.Plug the adapter into the wall outlet, and insert the transceiver into the Desktop Charger.

The red indicator on the Desktop Charger turns on while charging.

When charging is completed, the red indicator turns off.

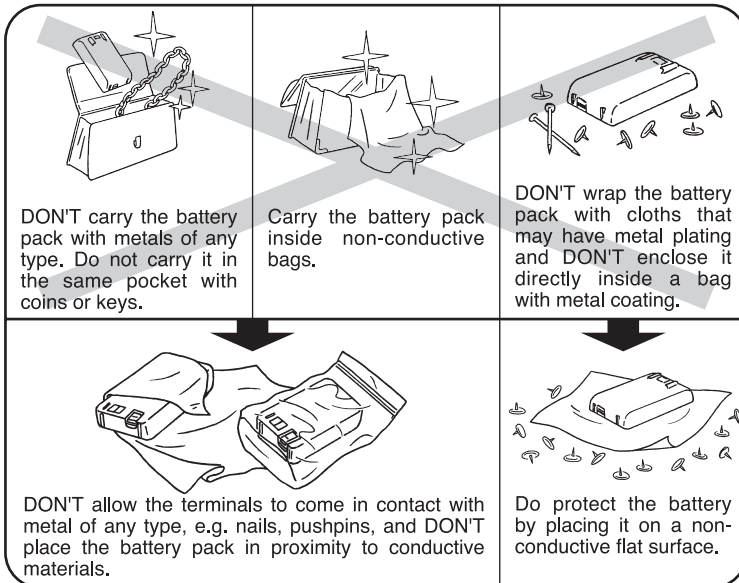


MEMO

•In case the transceiver can't be charged with the battery pack attached, charge the battery pack separately to determine if there is a malfunction in the radio.

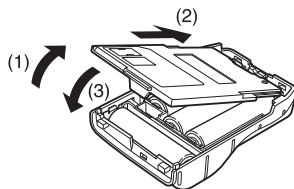
3-7 Prevent Short-Circuiting the Battery Pack

Be extra cautious when carrying the rechargeable battery pack: short-circuiting will produce a surge in current possibly resulting in a fire.

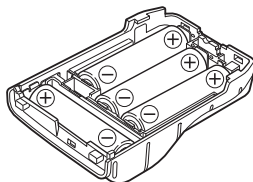


3-8 Dry Cell Pack (Optional)

1.Lift the catches up and remove the cover.



2.Place 4 size AA batteries in the case, and close the cover in the order of (2)→(3). Confirm that the cover is securely closed. Use alkaline dry cells. Manganese dry cells cannot be used.



MEMO

- When using dry cells, refer to “Battery Type (P.74)”.
- Please be advised that EDH-35 dry cell case is an optional accessory for DJ-G29T.

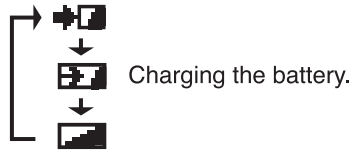
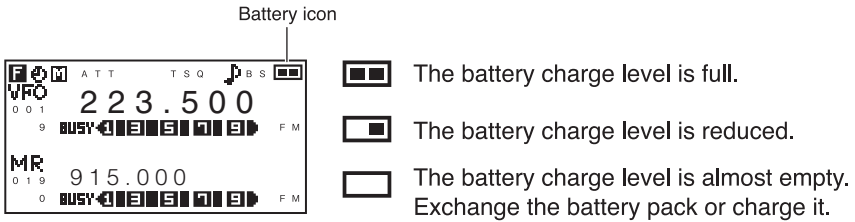


CAUTION

- The dry cell case is not waterproof.
- Be careful to observe the correct polarity of +/- . Reversed polarity may cause short-circuit, fire and/or explosion.
- When installing dry cells, use the same type from the same manufacturer.
- When replacing dry cells, change all of them at the same time.
- The use of common rechargeable batteries is not acceptable. The manufacturer declines any responsibilities against loss and/or injury to body and/or property damage when rechargeable batteries are used.
- Wipe off dirt and condensation from the surface of the electrodes that come into contact with the dry cells. Use a clean dry cloth or a cotton swab for cleaning.
- Never attempt to charge alkaline or dry cell batteries. This will damage not only the battery case but also the transceiver.
- THERE IS RISK OF EXPLOSION IF BATTERIES ARE REPLACED BY AN INCORRECT TYPE.DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS OF YOUR LOCAL REGULATIONS.

3-9 Battery Charge Level Icon

The battery level icon shown on the display indicates the amount of charge remaining in the battery. When it changes to empty, charge the battery pack or replace the cells with new ones.



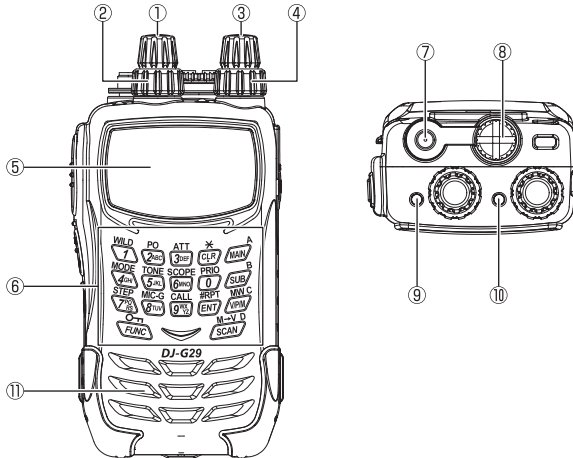
- When the transceiver is turned off, an icon indicates “charging” on the display. When charging is complete, the display indicates “charge completed”. When using the Desktop Charger, “charge completed” will not be shown on the display.

4. Names and Operations of Transceiver Controls

4-1 Transceiver Functions and Operations

4-1-1 Top and Front

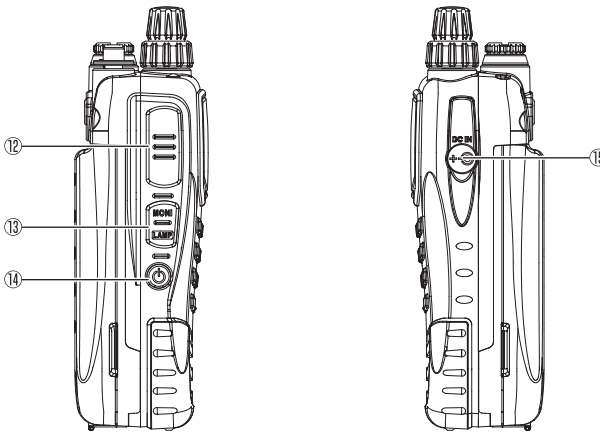
4




	Name	Function
①	Main Dial (upper)	Rotate the dial to select the main band frequency in VFO mode, or the memory channel when in Memory mode and to change various settings. When the dial is pressed while the F indicator is displayed, the transceiver enters the Set mode.
②	Main Dial (lower)	Rotate the dial to change the volume of the main band and to change various settings.
③	Sub Dial (upper)	Rotate the dial to select the frequency or memory channel of the sub band and to change various settings. When the dial is pressed while the F indicator is displayed, the Set mode is activated.
④	Sub Dial (lower)	Rotate the dial to change the volume of the sub band and to change various settings.
⑤	Display	Indicates the state of the transceiver. Refer to “Display Indicators” for details.
⑥	Keypad	Used for directly inputting frequencies and various settings.
⑦	Antenna Connector (SMA)	The antenna should be securely connected to the transceiver. If you plan to use an optional antenna, select one that is tuned to the proper operating frequency.

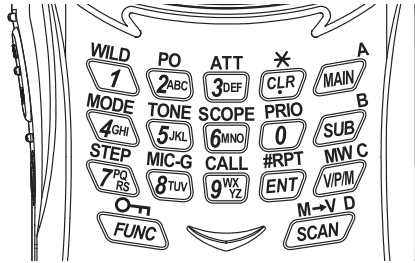
	Name	Function
⑧	Earphone/ Microphone terminals	Connect the specified optional external earphone/ microphone to the transceiver. When the terminals aren't used, securely cover them to keep out water and dust.
⑨	Main TX/RX LED	The LED is green when the main side squelch is not muted. The LED is red when transmitting.
⑩	Sub RX LED	The LED is green when the sub side squelch is not muted.
⑪	Microphone	When transmitting, speak approximately 5 centimeters from the microphone.

4-1-2 Sides



	Name	Function
⑫	PTT key	Press the PTT key to transmit, release to receive.
⑬	MONI key (LAMP) key	When the MONI key is pressed, the squelch mute function is switched off. When pressing the MONI key after pressing the  key, illumination settings can be set.
⑭	Power switch	Press and hold the power switch down for approximately one second to turn the unit on/off.
⑮	DC jack	This is the terminal for connecting an external DC power supply. It can be connected to adapters or used in mobile operation with an optional cigar-lighter cable. The transceiver can operate using a DC supply from 7.0 to 16 V and a minimum current rating of 3 A.

4-1-3 Keypad



4

Key	Function	After pressing the FUNC key	Continuously pressing keys (for approximately one second)	Operating dials while pressing keys
1	Inputs 1	Wild key	Registering and releasing Quick Memory (when Memory Mode is turned on)	-
2	Inputs 2	Transmit power setting		
3	Inputs 3	Attenuator setting		
4	Inputs 4	Selecting modulation modes		
5	Inputs 5	Tone Squelch/DCS/modulated-carrier canceller setting		
6	Inputs 6	Channel Scope setting		
7	Inputs 7	Channel Step		
8	Inputs 8	Microphone Gain setting		
9	Inputs 9	Recalling Channel Step		
0	Inputs 0	Priority	-	
.	Inputs decimal point	Memory Clear (when memory mode is turned on)		
ENT	Determination of inputs Reverse	RIT/TXIT operation		
MAIN	Switches between bands/banks	Shift	Select Main Band Dual/Mono Band	Selecting bands/banks
SUB	Switches between bands/banks	Switching Main Band/Sub Band frequencies	Switching Sub Band Dual/Mono Band	
V/P/M	Switches operation modes	Memory Registration/ Memory Editing/Memory Name function	-	-
SCAN	Scan function	M→V function		Selecting Scan mode
FUNC	Function key	Turning off F	Key lock setting	Enables tuning 1MHz up/down