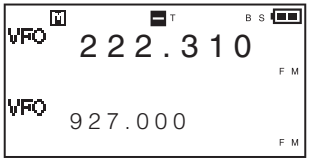
6-8 Tone Call Function

To use the Tone Call (Tone - burst) function:
•To transmit a tone, press the [MONI] key while pressing the [PTT] key.
•The default tone frequency is 1750Hz and can be changed in the Set mode (P.79 may be incorrect – please check.)
•When transmitting the tone, the CTCSS/DCS tones will halt temporarily.

6-9 Repeater Function

Communications through a repeater are often possible with relatively low transmission output.

By tuning the received frequency to a repeater frequency, the Repeater function operates automatically.



●Preset Repeater Frequeneies
222MHz:
223.910 - 225.000MHz -1.6MHz
902MHz:
927.000 - 927.995MHz -25MHz

Reverse operation is possible by pressing the #RPT ENT key. The repeater function releases temporary and you can transmit on the frequency originally used for the repeater downlink while monitoring the uplink frequency. Press #RPT ENT again to go back to the normal repeater mode. The shift-direction icon flashes during the reverse operation.

MEMO

•You may set the CTCSS tone, shift width and direction manually also. Please refer page 53 for manual tone and page 61 for manual shift setting.

7. Memory Mode

The Memory mode is used to recall often used frequencies and settings registered (by the user) in the transceiver's memory.
“Banks” are places where a group of frequencies are categorized and registered so they can be easily recalled and “channels” are specific frequencies that have been registered.

7-1 The Types of Memories and How to Use Them

DJ-G29T has the following 7 banks:

General Memory Bank	This is a memory bank that stores and recalls frequencies in the Memory mode. Up to 500 channels can be registered. When often-used frequencies are registered, recalling them is easy.
Program Scan Bank	This bank is used for the Program Scan function that searches for signals within a defined range of frequencies. 50 pairs of frequency ranges (upper point and lower point) can be registered.
Bank for Dual frequency Memory	This bank allows recalling the main band and sub band simultaneously. Up to 100 frequency pairs can be registered in the dual band.
Priority Bank	This bank is used for the Priority function (priority reception). Up to 50 Priority channels can be registered.
Call Channel Bank	The Call channels can be registered in this bank.
Search Pass Memory Bank	This bank will store up to 100 channels that can be skipped during VFO or Program scan operation. This bank is convenient when you want the receiver to skip noise or unwanted signals.

CAUTION

•The same frequencies cannot be registered multiple times in the search pass memory bank. If you attempt to do so, an error beep will be heard.

7-2 Registering Memory Channels

The steps for registering memories in the DJ-G29T are as follows:

1.Set the frequency and other operating parameters you want to register in VFO mode.

The following can be registered in a memory channel:
- •Frequency
- •Tone frequency
- •DCS codes
- •Modulation mode
- •Tone squelch/reverse tone squelch/DCS
- •Memory name
- •Skip settings
- •Shift settings

2.Press the FUNC key. Memory-related characters appear on the display as shown on P.42.

3.Rotate the dials and select the banks and channels that you want to register by referring to the below chart.
- •When registering on the main band, select the banks and the memory channels with the lower and upper knobs of the main dial.
- •When registering on the sub band, select the banks and the memory channels with the lower and upper knobs of the sub dial.

When a memory channel is already registered, MR will be indicated on the display.

•Banks
Select the banks according to your purposes.
The relationship with banks and memories is as follows:

0~4	Banks for normal memories.
PRG	Bank for Program Scan.
DUAL	Bank for dual. The main band and the sub band are coupled and registered in one memory.
PRIO	Bank for priority.
CALL	Bank for Call Channel.
PASS	Bank for Search Pass Memory.

•Memory Channels
The memory channels that can be registered according to the types of banks are as follows:

0~4	From 000 to 099
PRG	From 0A to 49B
DUAL	From 000 to 099
PRIO	From 000 to 049
CALL	222MHz band call channel: VHF 902MHz band call channel: UHF
PASS	From 000 to 099

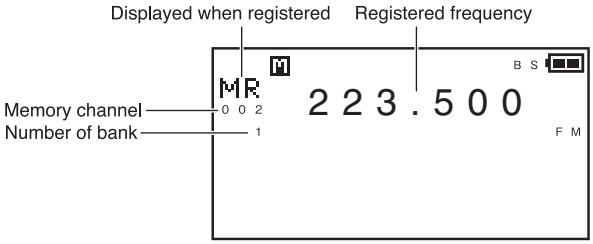
4.Register by pressing the MW C V/P/M key.
It returns to the former operating mode after registering.

Example: When registering 223.500MHz from the main band on Bank 1 in the 002 channel.
1.On the main band, select the VFO mode and tune to 223.500MHz.
2.Press the F-1 FUNC key.
3.Rotate the main lower dial and set the bank to “1”.
4.Rotate the main upper dial and set the memory channel to “002”.
5.Press the MW C V/P/M key and the registration is done.

MEMO
•It is not possible to overwrite memory channels in default condition. To delete or edit memory channels, you must cancel or temporarily release the “Over Write Function (P.89)” before performing such actions.
•By downloading free software from our website (http://www.alinco.com) and using the optional PC connecting cable (ERW-7/ERW-4C with EDS-10/14 conversion cable), memory channel allocations within the 50 banks can be modified. This operation cannot be done with simple button operations on the transceiver.

CAUTION
•“Dual Bank” can only be selected when two bands are displayed simultaneously.
•Banks for Program Scan Channels register two frequencies such as ○○A and ○○ B.
For example: When 223.520MHz is registered on 01A and 223.600MHz is registered on 01B;
When using Program Scan, the receiver will scan within the range of 223.520MHz to 223.600MHz.

●Memory Registration related displays



MEMO

- Expanding the total number of memory cannot be done.
- Registered memory channels can be displayed in alphabet letters, symbols, numeric, hiragana, katakana and Chinese characters instead of frequencies. Please read “Memory Name Function P.47)” for details.
- Recalling a memory channel can be done either by dial operation or keypad input.

7

7-3 Recalling Memory Channels

1.Press the MW C V/P/M key to select the Memory mode.

2.Press either the A MAIN key or the B SUB key to select the memory bank you want to recall.

3.Rotate the dial and select the memory channel.

CAUTION

- When recalling data in the bank for dual, switching between the main band and the sub band cannot be done.
- Frequencies outside the range of the main band can't be indicated on the main band with the memory channel registered in the sub band. Please read the range of frequencies for the main band in “Reception (P.36)”.

Example: When recalling 223.500MHz registered in 002 channel in bank 1 in the main band:

1. Set the main band as the operation band, and select the Memory mode by pressing the MW C V/P/M key.
2. Press the A MAIN key and set it to bank “1”.
3. Rotate the upper dial and set the channel to “002”. The information registered in the memory channel will be displayed.

7-4 Deleting Memory Channels

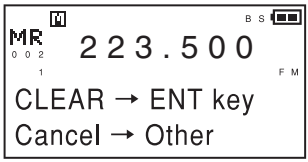
1.Set the "Over Write Function (P. 89)" to "accepted" or "fail-safe".

2.Press the MW C V/P/M key to select the Memory mode.

3.Select the memory channel that you want to delete.

4.Press the FUNC key and the F is shown on the display.

5.When the CLR key is pressed, an indication of confirmation will be shown (see the illustration in the right).



6.When the #RPT ENT key is pressed, the contents of that memory channel will be deleted. If any other key is pressed, the operation will be cancelled.

CAUTION

- Data can't be recovered once it is deleted. Please be careful not to delete necessary data by mistake. The free utility allows you to save different memory channel data for back-up purposes.
- After deleting data, set the "Over Write Function (P.89)" back to "prohibited" in order to protect important data.
- If you execute the "All Reset (P.102)", all data will be deleted.

MEMO

- When turning the transceiver on while the Over Write feature is set to "fail-safe", it will automatically be reset to "prohibited".

7-5 Moving Memory Channels

The memory channels in registered banks (from 0 to 9) can be moved to other banks (from 0 to 9).

1.Press the MW C V/P/M key to select the Memory mode.

2.Select the memory channel that you want to move.

3.Press the FUNC key.

4.Press the MW C V/P/M key.

5.Rotate the dial and select the bank and the memory channel you want to move it to.
If you select a memory channel that is already registered, MR will be shown on the display.

6.Press the MW C V/P/M key.
The memory channel moves.

MEMO
- When you overwrite and register memory channels, set the “Over Write Function (P.89)” to “accepted” or “fail-safe”.
- If you press the [PTT] and the FUNC keys, the moving of memory channels will be cancelled.

7-6 Registering the Call Channel

Channels used most frequently for seeking a QSO, repeater frequencies and club channels can be registered in the call channel.

1.Select the frequency you want to register to the VFO mode.

2.Press the FUNC key.

3.Rotate the lower dial and set it to the call bank you want to register it into.
Channels will be selected automatically with respect to the selected band.

4.Press the MW C V/P/M key.
Register it in the memory channel, and the radio will return to the former mode.

MEMO

- When you want to overwrite and register the memory channels, set the “Over Write Function (P.89)” to “accepted” or “fail-safe”.
- The frequencies that can be registered in the call channel are limited to amateur radio band frequencies.
- The Call Channel can be edited but can't be deleted.

7-7 Quick Memory

This function is used to quickly recall memory channels most used in the Memory mode. The Quick Memory are available up to 9 channels.

7-7-1 Registering the Quick Memory

1.Press the MW C V/P/M key to select the Memory mode.

2.Select the memory channel you want to register in the Quick mode.

3.Press and hold any key on the keypad from WILD 1 to CALL 9 WX YZ for approximately one second.
To release the Quick Memory, repeat steps **1** and **3** as shown above.

MEMO

•When editing the memory channels registered in the Quick Memory, the edited changes will be reflected in the Quick Memory.

7-7-2 Recalling the Quick Memory

1.Press any key from WILD 1 to CALL 9 WX YZ on the keypad.

2.Press the MW C V/P/M key.

MEMO

•The Quick Memory can be recalled from any operation mode.

7-8 Memory Skip Function

The Memory Skip function skips memory channels without receiving them when memory scanning. This is useful in that scanning will stop on broadcast stations and for memory channels that transmit modulated-carriers.

1.Press the MW C V/P/M key to select the Memory mode.

2.Select a memory channel that you want to skip.

3.Press the * CLR key.
MR changes to **SKIP** on the left side of the display, and the Memory Skip function will be set.
Select the object memory channel and repeat the steps above to release the Memory Skip function.
SKIP will change to MR and the Memory Skip function will be released.

7-9 Memory Name Function

You may name the memory channels you have programmed with any combination of up to 8 uppercase or 16 lowercase alphanumeric, Japanese and other symbol characters. Naming the memories with callsigns and station names etc will greatly help operating in the memory mode.

●Registering a memory name

1.Press the MW C V/P/M key to select the Memory mode.

2.Press the FUNC key and confirm that the F icon is displayed.

3.Press the MW C V/P/M key several times and set the Memory Name mode.
"Edit Name" will be shown on the display.

4.Input the characters or numbers using the keypad.
Respective characters or numbers are shown on the keypad.
Please refer to the "Character and Numbers Allotted on the Keypad (from P.48 to P.50)" for details.

5.When rotating the lower dial, the cursor for inputting characters moves toward right.

6.For deleting characters, you can delete them one by one by pressing the CLR key.
For deleting all characters, press the B SUB key.

●Inputting memory names

Characters and numbers are allotted on the keypad shown in the tables from P.48 to P.50.
By pressing the keys on the keypad, the characters will be displayed in order.
After pressing the keys on the keypad, by rotating the upper dial the characters will be shown in order. By rotating the dial continuously, Chinese characters will be displayed.

Input example: When inputting "DJ-G29T!"

1.Rotate the upper dial and set it to "D".

2.Rotate the upper dial and set it to "J".

3.Rotate the upper dial and set it to "-".

4.Rotate the upper dial and set it to "G".

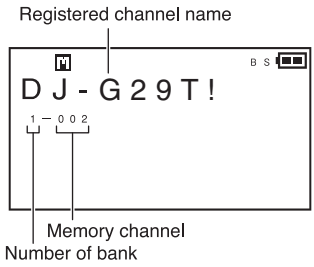
5.Rotate the upper dial and set it to "2".

6.Rotate the upper dial and set it to "9".

7.Rotate the upper dial and set it to “T”.

8.Press the [MAIN] key and rotate the dial and set it to “!”.

9.The process can be completed by pressing either the [FUNC] key or the [PTT] key.



MEMO

•By pressing the [MONI] key, the frequency associated with the memory name will be displayed.

●Characters allotted to the keypad.

WILD 1	1　あいうえお　ぁぃぅぇぉ　アイウエオ　ァィゥェォ
PO 2ABC	2　ＡＢＣ　ａｂｃ　かきくけこ　がぎぐげご　カキクケコ ガギグゲゴ
ATT 3DEF	3　ＤＥＦ　ｄｅｆ　さしすせそ　ざじずぜぞ　サシスセソ ザジズゼゾ
MODE 4GHI	4　ＧＨＩ　ｇｈｉ　たちつてと　っ　だぢづでど タチツテト　ッ　ダヂヅデド
TONE 5JKL	5　ＪＫＬ　ｊｋｌ　なにぬねの　ナニヌネノ
SCOPE 6MNO	6　ＭＮＯ　ｍｎｏ　はひふへほ　ばびぶべぼ　ぱぴぷぺぽ ハヒフヘホ　バビブベボ　パピプペポ
STEP 7PQRS	7　ＰＱＲＳ　ｐｑｒｓ　まみむめも　マミムメモ
MIC-G 8TUV	8　ＴＵＶ　ｔｕｖ　やゆよ　ゃゅょ　ヤユヨ　ャュョ
CALL 9WXYZ	9　ＷＸＹＺ　ｗｘｙｚ　らりるれろ　ラリルレロ
PRIO 0	0　わゎゐゑをん　ワヮヰヱヲン　ヴヵヶ
A MAIN	、 。 , . ・ : ; ? ! ゛ ゜ ´ ` ¨ ^ ￣ ＿ ヽ ヾ ゝ ゞ 〃 仝 々 〆 〇 ー ― ‐ ／ ＼ ～ ? ｜ … ‥ ‘ ’ “ ” ( ) 〔 〕 [ ] { } 〈 〉 《 》 「 」 『 』 【 】 ＋ － ± × ÷ ＝ ≠ ＜ ＞ ≦ ≧ ∞ ∴ ♂ ♀ ° ′ ″ ℃ ￥ ＄ ¢ £ % # & * @ § ☆ ★ ○ ● ◎ ◇ ◆ □ ■ △ ▲ ▽ ▼ ※ 〒 → ← ↑ ↓ 〓 ∈ ∋ ⊆ ⊇ ⊂ ⊃ ∪ ∩ ∧ ∨ ¬ ⇒ ⇔ ∀ ∃ ∠ ⊥ ⌒ ∂ ∇ ≡ ≒ ≪ ≫ √ ∽ ∝ ∵ ∫ ∬ Å ‰ ♯ ♭ ♪ † ‡ ¶ ◯

●Characters allotted to the keypad (Chinese characters).

WILD 1	あ：愛 圧 い：井 以 伊 位 移 囲 域 育 一 茨 う：隠 羽 宇 運 え：英 永 衛 易 越 円 媛 園 遠 お：押 横 応 岡 屋 音 温
PO 2ABC	か：可 家 化 火 何 河 歌 画 賀 回 海 開 解 外 害 柿 格 拡 確 学 隔 潟 活 轄 割 完 感 乾 間 関 菅 簡 幹 管 監 岩 岸 丸 き：紀 畿 姫 規 気 喜 基 器 帰 岐 輝 機 旧 休 久 宮 逆 急 救 去 許 距 強 京 教 橋 共 業 局 玉 金 禁 近 均 く：九 区 空 熊 群 け：下 継 経 系 形 型 警 桁 見 県 検 言 限 原 現 減 源 こ：小 古 固 己 庫 糊 五 語 護 後 御 項 公 更 光 浩 口 興 構 広 甲 行 向 江 香 高 効 港 航 降 号 合 国 刻 黒 込
ATT 3DEF	さ：左 佐 才 災 細 在 西 崎 埼 作 削 索 察 札 沢 澤 三 山 残 し：仕 始 指 施 視 私 子 士 止 四 市 思 紙 示 字 自 児 時 滋 鹿 式 七 実 遮 車 手 取 種 受 秋 周 終 州 集 重 充 宿 出 俊 瞬 所 署 処 除 勝 松 消 照 象 上 常 城 縄 信 神 森 新 振 心 す：水 衰 数 せ：世 瀬 政 青 制 成 盛 静 跡 石 接 設 川 選 専 先 仙 船 線 全 前 そ：相 送 総 操 増 蔵 束 則 側 測 足 続 村
MODE 4GHI	た：他 待 対 帯 隊 滞 大 太 台 第 滝 択 脱 単 探 端 丹 短 団 断 ち：地 千 知 池 中 沖 庁 町 鳥 長 朝 張 聴 値 つ：津 追 通 て：締 定 停 鉄 天 転 田 電 と：戸 都 度 土 答 灯 当 東 島 湯 登 盗 同 藤 道 動 栃 特 徳 読 独
TONE 5JKL	な：奈 那 内 南 に：二 日 認 ぬ：沼 の：濃 能

●Characters allotted to the keypad (Chinese characters).

SCOPE 6MNO	は：波 覇 馬 売 舶 八 発 坂 抜 半 播 阪 飯 範 ひ：非 尾 百 表 秒 浜 品 ふ：不 夫 阜 府 富 福 武 部 伏 幅 復 複 分 文 聞 へ：兵 並 平 別 編 変 ほ：保 報 方 放 芳 防 北 幌 本
STEP 7PQRS	ま：磨 毎 迄 万 み：民 む：無 務 め：名 明 面 も：木 目
MIC-G 8TUV	や：谷 野 ゆ：右 有 優 よ：様 葉 陽 用
CALL 9WXYZ	ら：来 絡 楽 り：理 裏 離 梨 力 陸 了 良 両 量 林 鈴 る：留 類 れ：令 列 連 ろ：路 六 録
PRIO 0	わ：和

MEMO

•After the Memory Name is set, the channel name will be displayed when the transceiver is in the Memory mode.