

Thank you for purchasing a Lafayette product.  
In order to make the best of our product, please read carefully the following instruction manual.

### **Warning**

- Do not try to transmit if the antenna has not been connected, this could seriously damage the transceiver.
- This equipment has been calibrated and tested at factory; do not open it and try to tamper with its internal components.

### **Connecting the antenna**

The lead-in antenna cable must be terminated with a PL-259 connector. Only use antennas tuned on 27MHz and use a RG-58/U shielded cable with a typical impedance of 50 Ohm.

### **Microphone bracket**

Install the microphone bracket in a conformable position inside the vehicle, making sure that the cable or the microphone itself do not interfere with driving operations.

### **Interference caused by the distribution system of your vehicle**

Modern cars no longer cause problems for the shielding of distribution cables and ignition system, therefore the transceiver should not suffer any interference caused by engine operation.

### **Standard features include:**

#### **Function**

- 1 Built-in noise blank and automatic noise limit circuit
- 2 Strong dynamic microphone with ASQ control button
- 3 Large scale, easy reading multifunction LCD display
- 4 Dual function selection button design
- 5 Frequency or channel number display
- 6 Beep sound ON or OFF
- 7 Instant recall for the last used channel
- 8 Manual squelch control and automatic squelch control system
- 9 Scanning and 4 channel memory
- 10 Dual watch function
- 11 Emergency channel 9

### **Controls**

- 1 AF volume control W/ On/Off SW
- 2 Squelch control
- 3 Channel up/down control

### **Lcd display**

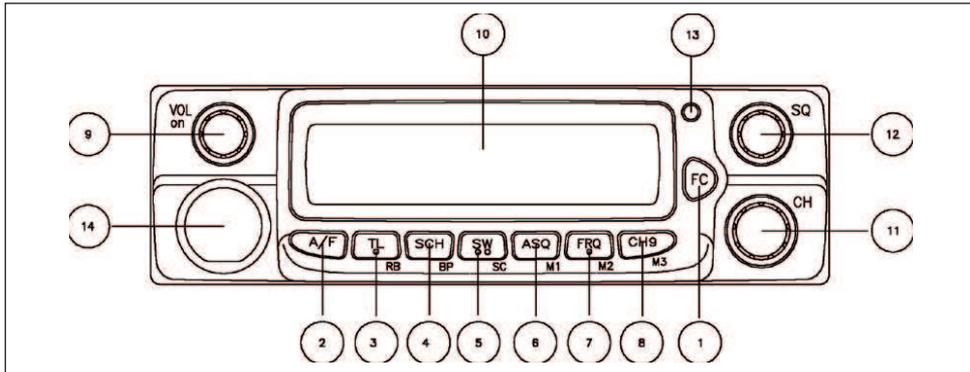
- 1 Channel / frequency
- 2 TX/BP/DW/SC
- 3 Memory Channel 1 - 4
- 4 AM/FM/AQ
- 5 12 bar level meter

3.5 mm external speaker jack  
SO-239 antenna connector  
Dynamic microphone & 8 pin jack  
Led backlight ( blue )  
Noise squelch

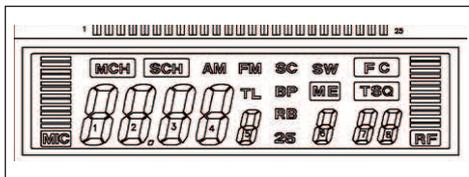
Please note that the use of the equipment is subject to authorization for the purposes indicated in article 334 of P.T. code (Italy only).

## ENGLISH

### Control Locations and Indicators



- |  |  |
|--|--|
| 1 Function selector                          | 7 FRQ (frequency) & memory channel 2     |
| 2 AM/FM selector & LCR (last channel recall) | 8 CH9 (channel 9) & memory channel 3     |
| 3 TL (tone low) & roger beep                 | 9 Power on/off and volume control button |
| 4 SCH (sub channel) & BP (beep tone)         | 10 LCD display                           |
| 5 SW (sub watch) & SC (search scan)          | 11 Channel selector                      |
| 6 ASQ (auto squelch) & memory channel 1      | 12 Squelch control                       |
|  | 13 Led for RX or TX                      |



### Display Panel Information Command Center

**ZEUS OPERATING INSTRUCTIONS**

Having properly installed and wired your CB and antenna and power supply, you are now ready for the six steps designed to get you into effective and satisfactory operation.

- Step 1: Screw the plug from the microphone into the microphone jack on the face panel and check for secure fit.
- Step 2: Make sure your antenna is securely connected to the antenna connector.
- Step 3: Make sure the Squelch control is in the 9 o'clock position.
- Step 4: Turn the power on and adjust the "volume" control for a satisfactory sound level.
- Step 5: Select your desired channel by the channel selector up or down.
- Step 6: To transmit, press the push-to-talk bar (PTT) on the microphone.  
To receive, release the PTT bar.

**OPERATING CONTROLS, CONNECTORS: FUNCTIONS AND USES.****DESCRIPTION****1 - FC (Function) button**

Each button is separated for each function by double button.

In pressing FC button, FC is displayed on LCD and then BP/RB/SC/M1/M2/M3 button can be used.

If you don't press other button for 15 seconds after pressing function button, it is automatically released and in pressing button again, it's also released.

**2 - AM/FM button (LCR button)**

- a. AM/FM function Select AM and FM type.

In pressing button, FM, AM is displayed on LCD and selected.

- b. LCR function

It operates as LCR (Last Channel Recall) function in FM only.

**3 - TL/RB (Tone low/Roger Beep) button**

- a. Tone low (tl) function - In pressing button, TL is displayed on LCD and operated as TONE LOW function.

- b. Roger beep (rb) function - In pressing RB button after pressing FC button, RB is displayed and becomes RB ON and ROGER TONE comes out after completion of transmission. To release it, press FC button and press RB again and RB becomes OFF. If letter disappear, it's released. (It operates in FM only)

**4 - SCH/BP (Sub channel/Beep tone)****1 Sub channel(sch) function**

- a. SCH Call: In pressing button, SCH (Sub Channel) is displayed on LCD and press the button again and MCH (Main Channel) is selected. It's easy to select two channels and convenient for operation.

\*MCH is the existing used channel and SCH button is efficient enough to move to Designated channel by pressing it just one time and if it is used with Sub Watch (SW), it's very convenient to operate two channels.

SCH SAVE: To save sub channel, press SCH button in SCH mode long and channel is flashed on LCD and adjust channel by turning UP, DOWN SW and press SCH button again and it's saved.

\* When it is changed to SCH CHANNEL, other functions do not work.

## ENGLISH

### 2 Beep (BP) function

Press FC button and press BP button, BP letter is displayed and BP becomes ON and BEEP tone is generated in operating button.

To release it, press FC button and press BP button again and BP becomes OFF and is released.

### 5 - SW/SC (SUB WATCH/SCAN)

#### 1 Sub watch (SW) function

It is a function which enables you to receive two channels at the same time with one receiver by using main channel in operation and other designated channel as sub channel in order to communicate with an association of like-minded persons or the third party conveniently.

It searches receiving channels by checking two channels of main channel and sub channel in turns.

When receiving is completed channel stops automatically. It restarts search in 7 seconds completion of receiving.

In pressing SW button again, SW mode stops.

Operation method is as below.

a. MCH and SCH is displayed in turns.

b. If receiving is heard, SW stops and receives it.

c. When receiving stop, SW function restarts in 7 seconds.

d. In pressing PTT button during channel repeat, it moves to the last received channel automatically and in pressing PTT button during watch, it moves to main channel.

e. To release it, press PTT, SW, CH9 UP/DOWN button.

#### 2 Search scan (SC) function

It's a scan function to search which channel is transmitting.

In pressing scan button, channel moves to higher channels and start searching.

When it stops at the channel which the other party is transmitting and transmission is completed it restart search in 7 seconds.

To stop searching, press PTT, FUN, SW, AM.FM, UP/DOWN button.

### 6 - AUTO SQUELCH/MEMORY 1/(ASQ/M1)

#### 1 Auto squelch function

It set up squelch in fixing to remove noise more than a certain level and to release inconvenience of squelch volume usage.

#### 2 Memory(M1~ M3) function

- Memory method (M1 ~ M3)\*

- In saving memory: Select channel you want to memorize by channel switch.

Press FC button and press button of M1~M3 long you want to memorize.

It is memorized with beef sound and release FC model.

\* In calling memory: Press FC button and press M1~M3 you want to call and the memory is displayed on LCD.

### 7 - FREQUENCY/MEMORY 2(FRQ/M2)

#### Frequency (FR) function

It's a function to indicate channel as frequency.

In pressing FR button, frequency is displayed in 5 SEGMENT.

To release it, repeat the above operation.

**8 - CH9/MEMORY 3 (EMERGENCY CHANNEL9/M3)**

It is used in emergency (crime, fire, urgent patient, etc.)

In pressing CH9 button, it is changed to 9channel and emergency is blinking on LCD.

**9 - POWER / SOUND VOLUME**

In turning to right, power is on and volume is increased.

In turning to left, volume is decreased and power is off.

**10 - LCD DISPLAY**

All working functions are displayed.

**11 - CHANNEL ADJUSTMENT**

It's used in adjusting channel.

In turning to right, channel is up and in turning to left, channel is down.

**12 - SQUELCH ADJUSTMENT**

It is a function to remove noise when there is no receiving signal.

In turning to left (reverse clockwise) to the end, noise comes out. To remove noise, turn to right (clockwise) slowly and stop at the point where there is no noise and fix it and you can receive it without noise in the best sensitivity.

\* It's efficient due to removing noise by extracting noise, not by existing signal and it supplements weak point which distance becomes short in case of volume up a lot.

**13 - RX/TX INDICATION LED**

In receiving, it indicates green color when there is a signal and in transmitting, it indicates red color.

**14 - 8 PIN MIC**

- 13.8V B+ power is supplied.
- MIC CHANNEL UP/DOWN is possible.
- MIC ASQ ON/OFF is possible.

\* Dynamic mic is used.

**RESET SWITCH**

When you face power problem or other problems in use, reset it.

Turn off VOLUME SW and turn on VOLUME SW pressing FC button.

Reset is displayed on LCD and CH 20 is displayed.

And then, it is initialized and operates properly.

## ENGLISH

### General specifications

#### General

Transmitter	cristal controlled PLL synthesizer
Receiver	double conversion, superheterodyne system
Voltage operation	DC 13.8 V
Temperature	-10°C +50°C
Channel step	10 KHz
Dimension	depth 140 mm - width 145 mm - height 40mm.
Weight	900 w/o accessories. ( total: 1400 g including accessories & packing)

#### Transmitter

Output power: fm/am:	4 Watt
Frequency range:	40 ch 26.965 ~ 27.405 MHz
Frequency tolerance	±600 Hz
Modulation sens	3mV (1.25 KHz input)
Modulation capability	AM: 90 % FM: 2 KHz

#### Receiver

Frequency range	40ch 26.965 ~ 27.405 MHz
Sensitivity	AM: 0.5 µV (s/n 10 dB)
	FM: 0.3 µV (sinad 12 dB)
Squelch	0.5 µV
Auto squelch	0.3 µV
S/nratio	40 dB
Distortion	3 %
Max power	4 Watt
S/meter(s-9)	1000 µV

#### Test condition

Power source	DC 13.8 Volt
Antennas load impedance	50 Ohm non-inductive
Audio load impedance	8 Ohm

Importato e distribuito da



Strada Provinciale Rivoltana 4 - km 8,5 • 20060 Vignate (MI)  
Tel. 02 95029.1 - [marcucci@marcucci.it](mailto:marcucci@marcucci.it)

**[www.marcucci.it](http://www.marcucci.it)**