

# Clarion P17

Car MP3/USB/SD/FM/AM/Bluetooth Player

User Manual

## *DEAR CUSTOMER*

Congratulations for your purchase!

Please read this manual carefully, and keep it for future reference.

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Thank you for buying this product!

Please read through these instructions so you will know how to install and operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

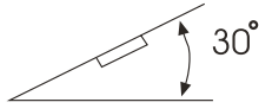
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## INSTALLATION

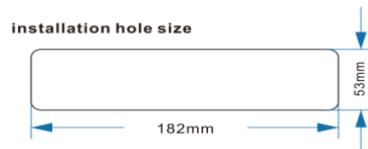
### PRECAUTIONS

- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance.



- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

**Installation hole size: 182mm x 53mm**



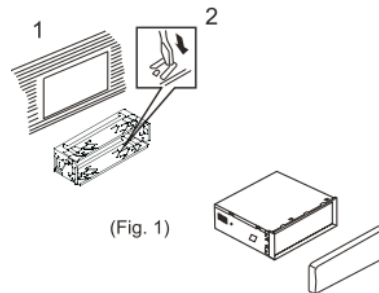
## DIN FRONT-MOUNT

Installing the unit

1.Dashboard

2.Holder

After inserting the holder into the dashboard, select the appropriate tab according to the thickness of the dashboard material and bend them inwards to secure the holder in place.



1.Frame

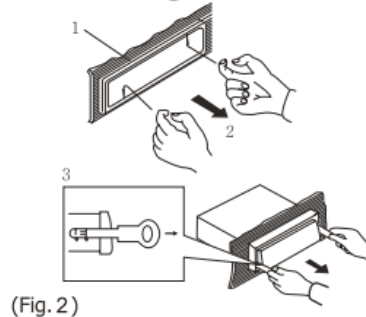
2.Insert fingers into the groove in the front of frame and pull out to remove the frame.(When reattaching the frame, point the side with a groove downwards and attach it.)

3.Lever

Insert the levers supplied with the unit into the grooves at both sides of the unit as shown in figure until they click. pulling the levers makes possible to remove the unit from the dashboard.

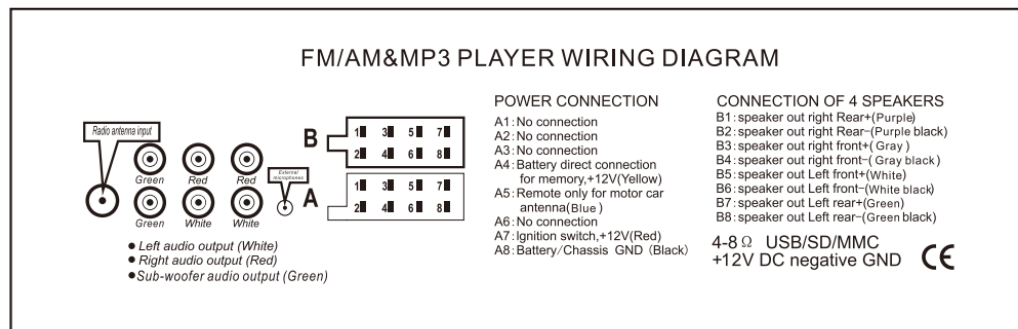
Removing the unit

## Removing the unit



## WIRING CONNECTIONS & BUTTONS FUNCTION

### WIRING CONNECTION DIAGRAM



#### • POWER CONNECTION

- A1: No connection
- A2: No connection
- A3: No connection
- A4: Battery direct connection for memory, +12V (Yellow)
- A5: Remote only for motor car antenna (Blue)
- A6: No connection
- A7: Ignition switch, +12V (Red)
- A8: Battery/Chassis GND (Black)

#### • CONNECTION OF 4 SPEAKERS

- B1: speaker out right Rear+ (Purple)
- B2: speaker out right Rear- (Purple black)
- B3: speaker out right front+ (Gray)
- B4: speaker out right front- (Gray black)
- B5: speaker out Left front+ (white)
- B6: speaker out Left front- (White black)
- B7: speaker out Left rear+ (Green)
- B8: speaker out Left rear- (Green black)

4-8Ω USB/SD/MMC

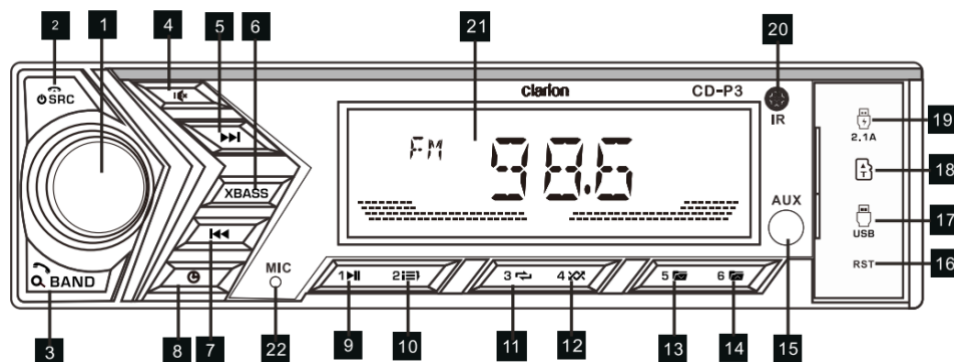
+12V DC negative GND

·Left audio output (White)

·Right audio output (Red)

·Sub-woofer audio output (Green)

## BUTTONS FUNCTION



1. SEL (select /menu) button and VOL (volume) button
2. SRC (POWER/MODE/hang up the phone) button
3. BAND button / dial button / AMS
4. MUTE button
5. Tune up, seek up, fast forward button
6. **XBASS** bass boost on/off
7. Tune down, seek down, track down button
8. CLK (clock setting) button
9. Number 1 button / play/pause button
10. Number 2 button / intro button
11. Number 3 button / repeat button
12. Number 4 button / random button
13. Number 5 button / folder up / ten Selected Songs up button
14. Number 6 button / folder down / ten Selected Songs down button
15. AUX in jack
16. Reset button
17. USB port for music playback
18. Micro SD card slot
19. USB charge port
20. IR remote-control sensor
21. LCD display

## GENERAL OPERATION

- **Turn unit ON/OFF:** Press the power button to turn ON the unit, and press and hold it again to turn OFF the unit.
- **MODE:** Press the SRC button to select between RADIO-USB-SD-Bluetooth- .AUX modes of operation are indicated in the LCD display. (When USB/SD Card is not inserted. USB or SD mode will not be displayed)
- **SELECT MENU:**  
Press SEL button (Short press) to repeatedly to select between  
For playing mode.  
AUTO → VOL → BAL → FAD-BEEP ON → CLFUL10S → X-BASS OFF → EQOFF →  
SUBWOOFER VOL → LPF → AUTO →

(For Radio mode:)

AUTO→VOL→BAL→FAD→BEEPON→CLFUL 10S→X-BASS OFF→EQ OFF→DX→  
STEREO→AREA EUR→SUBWOOFER VOL→LPF→AUTO→

## **GENERAL OPERATION**

### **AUTO**

Press SEL button to select AUTO, then rotate the SEL button to adjust the color of the panel button light and display screen backlight, including red, green, blue yellow, pink, cyan, and white.

### **VOLUME (VOL)**

Rotate VOL knob to adjust to desired sound level(0-40)

### **Balance (BAL)**

Press SEL button to select Balance, then rotate the SEL button to adjust the balance value (-7-+7).

### **Fader (FAD)**

Press SEL button to select Fader, then rotate the SEL button to adjust the fader value(-7-+7).

### **BEEP ON/OFF**

Press SEL button to select BEEP. then rotate the SEL button to switch ON/OFF.

### **CLFUL 10S**

Press SEL button to select CLFUL, then rotate the SEL button to Adjust the time for the rainbow lamp to change to an other color, with 6 options:10S/30S/60s/120S/180S/240S.

### **X-BASS(ON/OFF)**

Press SEL button to select X-BASS, then rotate the SEL button to switch ON/OFF.

### **PRESET EQ**

Press SEL button to select EQ off, then rotate the SEL button to select EQOFF  
-USER-ROCK-VOCAL-JAZZ-FLAT-CALSSIC-ELECTRIC-POP-EQOFF.

### **USER EQ MODE**

Press SEL button to select EQ, then rotate the SEL button to select USER,SEL confirms entering EQ frequency setting, with 20 EQ settings: 31HZ/50HZ/  
62HZ/100HZ/125HZ/180HZ/250HZ/300HZ/500HZ/800HZ/1K/1.5K/2K/3K/4K/6K  
/8K/14K/16K/EXIT. At each frequency, press SEL button to adjust frequency value (-12-+12).

### **AREA EUR (Radio frequency region selection (Europe, America))**

Press SEL button to select AREA, then rotate the SEL button to AREA EUR/AREA USA.

### **SUBWOOFER VOLUME**

Press SEL button to select sub vol, then rotate the SEL button to adjust volume 0-20

### **LPF**

Press SEL button to select LPF, then rotate the SEL button to select subwoofer output frequency 80HZ/120HZ/160Hz.

### **DX/LOCAL**

Press SEL button to select DX, then rotate the SEL button to select DX/LOCAL  
(only radio mode).

**USB port**

The USB port for playing media from USB memory.

**MIC**

The MIC Used for voice or hands-free calls to receive sound.

**Micro SD card port**

The port for playing media from micro SD card memory.

**Reset button**

The Reset button is used to reset all factory settings parameters, When certain Functions malfunction or are disabled, this function can be used to restore to factory settings.

Use a thin object with a small tip to press the RESET button over 3 second.

**Set the clock(CLK)**

1. To display clock time, press the CLK button.
2. To set clock time, press and hold the CLK button and the hour will flash.
3. Rotate the SEL button to adjust the hour.
4. Press the CLK button again and the minutes will flash then rotate the SEL button to adjust the minute.
5. Long press the CLK button again to exit the time settings.

Note: You can enter the settings through the mobile app, click on the time and date, and then click on automatic to immediately synchronize your phone time.

**Chang the source (MODE)**

Press the SRC button to switch between RADIO -BT(Bluetooth)-USB(with USB device inserted)-SD(with micro SD card inserted)-AUX(auxiliary input)modes.

**MUTE ON/OFF**

In power on mode, short press the MUTE button to toggle mute on or off, will be released when the volume knob is used.

**AUX INPUT**

The external audio source can be input into the AUX port through a 3.5mm jack, and the sound can be played and amplified through this device in AUX IN mode.

**AMS**

(For Radio mode:)

Short press AMS to browse 18 preset radio stations on FM1/FM2/FM3 bands

Long press AMS to automatically search for radio stations again, and automatically store them on the number keys of FM1/FM2/FM3 bands 1-6 according to the strength of the radio signal. After storage, they will automatically browse and play once, and then you can directly press the number keys 1-6 to listen to the stored radio stations.

(For playing mode:)

Short press to select a song, short press to display SCH. then enter the order number of the song you want to listen to, press SEL to confirm, and the song with the entered number will be played. (Supports up to 9999 songs)

**RADIO OPERATION****Chang BANDS(BAND)**

In Radio mode, press the BAND button to switch between the FM1-FM2-FM3 bands, each band stores up to six preset stations.

#### **Auto seek tuning ( ►/◄ )**

In Radio mode, press the ► or ◄ button on the front panel or on the remote control to auto seek the radio frequency. At this time, long press any one of the number buttons 1 to 6 for more than 3 seconds to manually store the scanned radio station to the desired number button. The next time you want to listen to this radio station, simply press the corresponding number button to hear the same radio station.

#### **Manual seek tuning ( ►/◄ )**

In Radio mode, long press the ► or ◄ button on the front panel or on the remote control to select manual seek tuning, then press the ► or ◄ button to step downward or upward.


#### **To store/Recall preset stations**

In Radio mode, the radio can be stored in 6 preset stations for each band (FM1 -FM2-FM3) for a total of 18 preset stations.

#### **To store/Recall preset stations**

In Radio mode, select the desired band, press the ► or ◄ button to auto seek the radio frequency, press and hold the desired preset button (numbered 1-6 on the panel of the radio) for more than 3 seconds to save the station to that preset number.

#### **Automatic store station(AMS)/preset station scan**

In Radio mode, press  on unit automatic store station (AMS).

#### **Local/Dx**

In Radio mode, if you only want to listen to stronger radio signals and filter out weaker ones, you can turn on the LOCAL mode so that weaker radio stations will not stop when scanning.

#### **STEREO/MONO**

In Radio mode, FM station is received in stereo mode, however, if the signal is weak or reception is not as good as you would like, switching to MONO mode usually improves the overall sound quality.


### **USB/SD PLAYING OPERATION**

#### **INSERT USB**

To play files from USB device, open the USB port cover and insert the USB device in port 17, the songs will begin to play automatically.

To change phone, insert the USB device into the port 19.

#### **PLAY/PAUSE**

Press the  on unit to pause or resume playback.

#### **NEXT/Previous track**

Press the ►/◄ on unit or press ►/◄ on remote to play the next track or the previous track.

#### **Fast forward/backward**

Long press the ►/◄ on unit or press ►/◄ on remote to fast forward or backward.

#### **Introduction**

Press the  button on front panel to switch INTRO is on/off.

#### **Repeating the same track**

Press the  button on front panel to select repeat 1-repeat dir-repeat all.



### **Playing all tracks in random**

Press the  button on front panel to select random is on or off.


### **Track navigation**

Press the  or  button on front panel to play-10 or +10 songs.

### **Folder navigation**

Long press the  or  button on front panel for folder -or folder+

### **Select the track to play**

Press the  on unit, "SCH" will appear on LCD then input the desired track number via front panel. then press SEL to confirm for playback.

## **WIRELESS BLUETOOTH STREAMING OPERATION**


### **Pair and connect**

Prior to using the wireless BT device as a hands-free system for a wireless BT-enabled mobile phone for first time, you must pair and connect the two devices as follow

1. In any mode, prior to pairing and connecting. The BT LOGO in LCD indicating that no device is connected. To begin pairing, enable BT mode on your mobile phone.
2. when the phone finds this car audio system. the "CLARION" will be displayed.
3. choose the "CLARION" from the device list to pair and connect with this car audio system. upon confirming, the BT logo will be lighted on.
4. When pairing is completed, the mobile phone audio will automatically transfer to the car audio system whenever a call is made or received, or when the mobile phone plays music.

## **MAKE A CALL**


### **operation1**

Press the  and LCD will display "CALL" then dial out last unplugged phone number.

Press the  to hang up the phone call.

### **operation2**

To make a call, dial the call directly from the paired mobile phone.

Press  to hang up the phone call.

### **Answer a call**

When the mobile phone is called, the incoming telephone number displays on the LCD.

Press the  button on the control panel to answer the incoming call.




### **Reject a call or end a call**

To reject or end the call, press  button on the control panel.

### **Adjust talk volume**

During a call, rotate VOL button to adjust the volume level.

### **Audio streaming(A2DP)**

1. Press the  button to enter BT mode and display "BT" in the LCD display. 2. when a mobile device is paired, music played through that device will automatically be heard through the car audio system.
3. Press the  button to play the next or previous on the mobile phone.
4. Press the  button to pause or resume music playback.



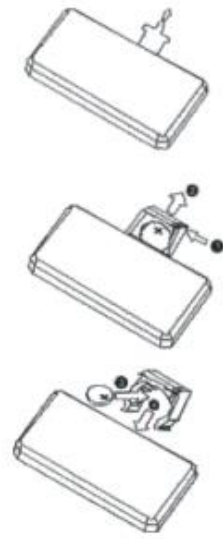
**Talk assistant**

When the mobile and device is paired. long press the VOL button .it activate the siri or google assistant to verbally speak your commands such as play music &navigation etc.

**REMOTE CONTROL OPERATION**

**Remote insulating sheet**

The remote control comes with an insulating sheet attached to the underside of the remote control, as illustrated on the right. the remote control will not work until the insulating sheet is removed.



**Replace lithium battery cell**

- 1. when the lithium cell battery becomes weak. replace it as illustrated on the right.
- 2. press and hold the movable block in the direction indicated by arrow1.at the same time, pull the cell holder out of the remote control in the direction indicated by arrow 2.
- 3. replace the old cell with a new one, making sure the (+)polarity is facing up ward
- 4.re-insert the cell holder into the remote control.

**Remote control operation**

**position the emitting window of the remote control toward the sensor window of the unit.**



- 1.The operation angle for front panel remote control reception is about 30 degrees.
- 2.The distance between the emitting window of the remote control and the sensor window of the unit should remain less 5 meters.
- 3.Cell leakage may cause damage to the remote control.
- 4.Do not throw the battery into the fire. otherwise it may cause an explosion.
- 5.keep battery cells out of reach of children.

**REMOTECONTROL**

**NAME OF BUTTONS AND LOCATION**

- power on/off
- mute
- volume up
- volume down
- tune down/track down
- tune up/track up
- mode switching
- EQ switching

REMOTE CONTROL	
NAME OF BUTTONS AND LOCATION	
	power on/off
	mute
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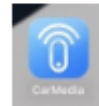


## PHONE APP CONTROL OPERATION

### APP CONTROL VIA BLUETOOTH

User can download the following application to the mobile phone in order to have control of the main unit by the mobile phone via Bluetooth. take your phone and follow the steps:

1. for Android device, search "carmedias" from play store and after searched. download & install:
2. for IOS device, search "carmedias" from play store and after searched. download & install:
3. after installation, open "carmedias" application:



The following menu appeared in the mobile phone and you can start control the car unit with menu(In the app settings, you need to first connect to CLARION(app)).



## SPECIFICATION

- General:
  - Power Supply Requirements: DC 12V, Negative Ground
  - Maximum Output Power: 40W X 4(CH)
  - Chassis Dimensions: 178 X 140 X 50mm (W x D x H)

- **Tone Controls:**
  - Bass (at 100Hz): +10dB / -10dB
  - Treble (at 100KHz): +10dB / -10dB
  - Current Drain: 15A
- **USB/SD PLAYER:**
  - Signal to Noise Ratio: More than 60dB
  - Channel Separation: More than 60dB
  - Frequency Response: 20Hz - 20KHz
- **FM Radio:**
  - Frequency Coverage (MHz): 87.5 - 108 (Europe), 87.5 - 107.9 (U.S.A.)
  - Sensitivity (S/N=30dB): 12dBu
  - Stereo Separation: >30dB
- **AM Radio:**
  - Frequency Coverage (KHz): 522 - 1620 (Europe), 530 - 1710 (U.S.A.)
  - Sensitivity (S/N=20dB): 32dBu

#### TROUBLESHOOTING

Symptom	Causes	Solution
No Power	The car ignition key has not been switched on	Switch the ignition key to ACC
	The fuse is blown	Replace a new fuse
No Sound	Volume is at minimum	Adjust volume to desired level
	Wiring is not properly connected	Check wiring connection
Unit blows fuses	The yellow wire and the ground wire are connected in reverse	Check for pinched wire
	Speaker wire touching chassis ground	Check for pinched wire
	Incorrect fuse rating	Use fuse with correct rating
The Radio or Automatic Selection Does Not Work	The antenna cable is not connected correctly	Connect the antenna cable correctly
	The signals are too weak	Select the station manually
Function operation error occurred	Operation error	Press the reset button to restore factory settings
USB or TF card cannot read	Unsupportable file system	Format USB or TF card to FAT32 format