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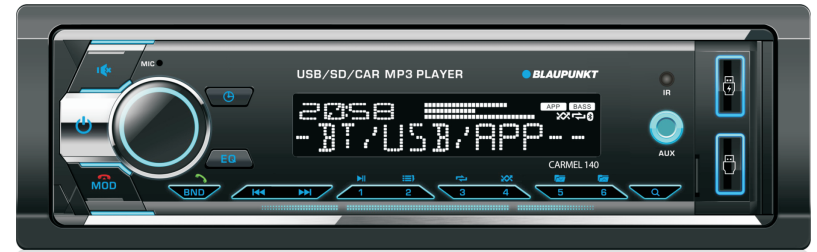
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⚠ WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov



CARMEL 140

IN-CAR MULTI-MEDIA PLAYER WITH BLUETOOTH & RADIO RECEIVER



Enjoy it.

Troubleshooting

Problem	Cause	Solution
Unit will not turn on (no power)	Yellow wire is not connected or is the incorrect voltage. Red wire is not connected or is the incorrect voltage.	Check connections for proper voltage (11-14.4VDC).
	Black wire is not connected.	Check the connection to the ground.
	Fuse is blown.	Replace the fuse.
Unit has Power (but no sound)	Speaker wires are not connected.	Check the connections at the speakers.
	One or more speaker wires are touching each other, or they are touching the chassis ground.	Insulate all bare speaker wires from each other and the chassis ground.
Unit blows fuses	Yellow or red wire is touching the chassis ground.	Check for a pinched wire.
	Speaker wires are touching the chassis ground.	Check for a pinched wire.
	The rating of the fuse is incorrect.	Use a fuse with the correct rating.
Excessive skipping	The unit is not mounted correctly, or the backstrap is not secure.	Check the mounting sleeve and the backstrap support.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

REMOTE CONTROL KEY GUIDE



BATTERY REPLACEMENT

Refer to the back of remote handset for details on how to replace the battery. Replace only with the same or equivalent type of battery.

BATTERY DISPOSAL

Attention should be drawn to the environmental aspects of used battery disposal. Battery shall not be exposed to excessive heat such as sunshine, fire or the like. Danger of explosion if battery is incorrectly placed.

REMOTE HANDSET – GENERAL OPERATION

POWER ON / OFF

Press to turn on or off of the unit.

OPERATING MODE SELECTION

Press MODE repeatedly to select the desired mode for operation.

VOLUME CONTROL

Press VOL+ / VOL- to adjust the volume output level.

MUTE CONTROL

Press to turn on or off of sound mute control.

AUDIO CONTROL & FUNCTION SELECTOR

Press SEL/MENU repeatedly to shift to the following audio & function control modes and when the desired mode reached, press VOL+ / VOL- to have setting or adjustment:

Volume (VOL) / Bass (BAS) / Treble (TRE) / Balance (BAL) / Fader (FAD) / Loudness (LOUD ON / LOUD OFF) / Preset EQ (POP / ROCK / CLASSIC / EQ OFF) / Local & Distant (LOCAL / DX) / Stereo or Mono (STEREO / MONO)

Note: Local & distance, stereo & mono available at FM radio mode only (refer to REMOTE HANDSET – RADIO OPERATION for details)

PRESET EQUALIZATION CONTROL

Press EQ repeatedly to select the desired preset equalization mode.

LOUDNESS CONTROL


Press & hold LOUD shortly to turn on or off of loudness control.

CLOCK DISPLAY & ADJUSTMENT

Press DISP to recall the time display. For clock setting, press & hold shortly DISP until the digits of hour starts blinking, press VOL+ / VOL- to adjust hour and confirm the setting by pressing SEL/MENU, it will then change to minute setting. Press VOL+ / VOL- to adjust minute and when setting completed, press DISP again to resume to normal time display.

BASIC FUNCTIONS

 Power ON/OFF

 **Mode selection** Press repeatedly to select the desired mode for operation.
Bluetooth Mode: Press to hang up an incoming call.



1.In Radio Mode

Press and hold to explore stations one at the time in descending order.
Press once to automatically surf stations in descending order.

2.IN CD/USB/ SD Mode:

Press to go back the the last track. Press and hold to rewinding the track that is currently playing.



1.In Radio Mode

Press and hold to explore stations one at the time in ascending order.
Press once to automatically surf stations in ascending order.

2.IN CD/USB/ SD Mode:

Press to skip the next track.
Press and hold to fast- forward the track that is currently playing.

BAND

Press BAND to cycle between FM stations, as shown below:

FM1 → FM2 → FM3

In Bluetooth Mode:

Press BAND to answer incoming calls.

PRESET MEMORY STATION NO 1-6


Press briefly to cycle through each programmed station for 5 seconds.
Press the APS button for 2 seconds and the unit will automatically seek and memorize discovered stations. The stations discovered will be assigned to the M1-M6 keys.
Once completed, the unit will return to its previous operation.

NOTE: While the unit is seeking stations, it will go into sleep mode. Each band can store a maximum of 6 stations for a total of 30 programmable stations.

SEL(Tone Adjustment)/Volume Control

Increase the volume level turn the volume knob to the right.
Press SEL repeatedly to access to setting for BASS/TREMBLE/LEFT/CHANNEL/RIGHT CHANNEL. These audio setting can also be adjusted using the volume button.

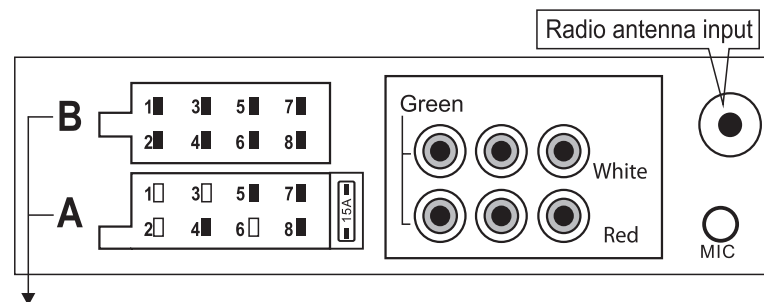
LCD DISPLAY : It shows the status of current operation of the unit.

 : Press to turn on or off of sound muting control.

EQ : Press repeatedly to select the preset equalization mode.

CLK : Press to recall time display. Press hold shortly to activate clock setting mode and hour digit starts blinking. At this mode, rotate press FUNCTION CONTROL to adjust hour and minute. After setting, press to confirm the setting

WIRING DIAGRAM



A1-3: 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)

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)

- Left audio output (White)
- Right audio output (Red)
- Subwoofer output (Green)
- MIC: External microphone jack

SPECIFICATIONS

System Parameters

Working Voltage: DC
10.8V-14.8V
Working Current: MAX 10A
Memory Current: <10mA
Working Temperature:
-20°F + 20°F
Storage Temperature:
-30°F + 80°F

Audio Parameters

Sound Non-balance: $\leq 2\text{dB}$
Channel Separation: $\geq 56\text{dB}$
Frequency Response:
20Hz-20KHz($\pm 3\text{dB}$)

Radio Parameters

Frequency Range:
- FM: 87.50MHz ~ 107.9 MHz
- AM: 530KHz ~ 1710KHz
Storage Number:
- FM: 18 Radio Stations
- AM: 12 Radio Stations
Search Method: Manual/Auto

Amplifier Parameters

Test Voltage: 14.4V
Power Output: 4 x 30W
Speaker Impedance: 4-8 Ω

BASIC FUNCTIONS



Radio Mode -Auto Memory Store

Press hold shortly to start searching and storing the strongest signal stations into the PRESET MEMORY STATION NO 1-6. After one cycle searched, the unit starts scanning all the preset stations and stops few seconds for broadcasting.

Radio Mode- Auto Scan

Press to start scanning all the preset stations on selected radio band and stop few seconds for broadcasting. Press again to stop this mode.

USB /SD Input Mode

Press repeatedly to activate different searching modes that may include track, file & directory search. Under this mode, rotate & press FUNCTIONNTROL to select and enter track for playback (Note: Depended on the input device and media recorded, not all searching modes are available)

MIC : For voice reception under **BLUETOOTH** operation

AUX : Insert an external device to this jack in order to have sound output of the external device through the unit.

IR : Remote control sensor for signal reception from remote handset.

LOU : Press to turn on or off of loudness control.



: Insert micro SD card to this port for digital files playback.



: Press to detach the front panel from the main unit

PAUSE/PLAY/KEY NUMBER 1

CD/USB/SD Mode

Press the pause/Play button to pause, play, or resume audio playback. Turning the volume knob will also resume playback.

In Radio Mode:

Press to select the preset stations assigned to key number 1

BROWSE/KEY NUMBER 2

CD/USB/SD Mode

Press the browser button to play 10 seconds clip of each song.

In Radio Mode:

Press to select the preset station assigned to the key number 2.

REPEAT/KEY NUMBER 3

CD/USB/SD Mode

Press the repeat button to repeat a single song. Press repeatedly to toggle through repeat options.

In Radio Mode:

Press to select the preset station assigned to the key number 3.

BASIC FUNCTIONS

RANDOM PLAY/KEY NUMBER 4

CD/USB/SD Mode

Press the random play button to shuffle through tracks.

In Radio Mode:

Press to select the preset station assigned to Key Number 4.

D-/KEY NUMBER 5

CD/USB/SD Mode

Press the D- button to display the previous folder (if available).

In Radio Mode:

Press to select the preset station assigned to Key Number 5.

D+/KEY NUMBER 6

CD/USB/SD Mode

Press the D+ button to display the previous folder (if available).

In Radio Mode:

Press to select the preset station assigned to Key Number 5.

MODE:

Press the MODE button to cycle between RADIO/DISC/USB/SD/AUX/BT modes. In Bluetooth (BT) mode, The MODE Key is used to end a call.

USB/SD CARD PLAYBACK

Insert a USB or SD card into their respective ports. Media will automatically begin to play once

Insert a USB or SD card into the appropriate port. Media will automatically begin to play once a USB or SD card is inserted. If Auto Play does not begin, press the MODE button to select the USB/SD Card Playback Mode. Support max USD/SD cards up to 16 GB.

BLUETOOTH PRING

1. Enable Bluetooth on your device.
2. Scan for available devices.
3. Select "CARMEL 140", or a similar name, when it appears on your device.
4. Enter the code when prompted:0000

APPLICATION TO CONTROL THE UNIT VIA BLUETOOTH OF MOBILE PHONE

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:

~ for Android device, search "ewaylink" from Play Store and after searched, download & install: for IOS device, search "ewaylink" from App Store and after searched, download & install:



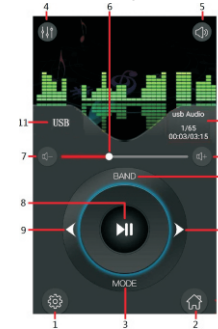
~ After installation, open "EwayLink" application:



~ The following menu appeared in the mobile phone and you can start control the car unit with this menu (Bluetooth must be connected):



~ The following shows the control option:



1. Shift to setting menu for Bluetooth set up. (Note: it is a must to select and connect to the car unit in order to have control)
2. Exit the application.
3. Selection of operation mode.
4. Shift to set for the output level on bass / treble / balance / fader.
5. Turn on/off of sound mute control.
6. Slide to set for sound output level.
7. Set for sound output level.
8. Playback & pause control.
9. Shift track/channel up/down for playback/broadcasting.
10. Radio band selection.
11. This shows the operating mode.
12. This shows the playback/broadcasting details.

Remarks: The operation under this application is limited to some modes & controls only.