Preparation

Please read entire manual before installation.

Before You Start
- Disconnect negative battery terminal. Consult a qualified technician for instructions.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.

Getting Started
- Remove trim ring from unit.
- Remove 2 transit screws located on top of the unit.
- Insert the supplied keys into the slots as shown, and slide the unit out of the mounting sleeve.
- Install mounting sleeve into opening, bending tabs to secure.
- Connect wiring harness and antenna. Consult a qualified technician if you are unsure.
- Certain vehicles may require an installation kit and/or wiring harness adapter (sold separately).
- Test for correct operation and slide into mounting sleeve to secure.
- Snap trim ring into place.

TYPICAL FRONT-LOAD DIN MOUNTING METHOD
When replacing the fuse, make sure new fuse is the correct type and amperage. Using an incorrect fuse could damage the radio. The DCBT304U uses one 10 amp AGC fuse located in-line.
Control Locations - Receiver

1. Release
2. Band / Go Back
3. Volume Knob
4. Power / Mute
5. Eject
6. USB Port
7. Auxiliary Input
8. Preset 6 / Folder Up
9. Preset 5 / Folder Down
10. Preset 4 / Play / Pause
11. Preset 3 / Intro
12. Preset 2 / Random
13. Preset 1 / Repeat
14. Display
15. Tune / Track Up
16. Tune / Track Down
17. Mode
18. Audio / Menu
### General Operation

<table>
<thead>
<tr>
<th>Faceplate Removal</th>
<th>Press RELEASE and pull away from the left side to remove. To re-install, insert right side of faceplate first then push left side to secure.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power On/Off</td>
<td>Press ð or any other button (except EJECT) to turn the unit on. Press ð to turn the unit off.</td>
</tr>
<tr>
<td>Mode</td>
<td>Press MODE to select between AM/FM, CD player, auxiliary, USB and Bluetooth. Modes of operation are shown in the display.</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> CD and USB modes will not appear unless a CD is inserted or USB device is connected.</td>
</tr>
<tr>
<td>Auxiliary Input</td>
<td>The DCBT304U offers a 3.5 mm auxiliary input port on the front panel of the unit for connecting an audio device, MP3 player, etc. Press MODE to select auxiliary input mode.</td>
</tr>
<tr>
<td>Volume</td>
<td>Adjust volume using volume knob (00-47).</td>
</tr>
<tr>
<td>Display</td>
<td>Press DISP to show the clock. During playback of MP3/WMA files, ID3 tag information, elapsed time, track number and file/folder names will automatically rotate on the display.</td>
</tr>
<tr>
<td>Reset</td>
<td>Press RESET upon initial installation or if abnormal operation occurs. Reset button is located behind the front panel.</td>
</tr>
<tr>
<td>Set the Clock</td>
<td>With the unit on, press and hold DISP until the clock begins to flash, then release. Turn the volume knob to the right to adjust the hours or to the left to adjust the minutes.</td>
</tr>
<tr>
<td>12/24-hour Clock</td>
<td>The clock will display 12-hour AM/PM time in USA frequency spacing mode (PM 10:00). In European frequency spacing mode, the clock will display 24-hour time (22:00).</td>
</tr>
<tr>
<td>Setup Menu</td>
<td>Press and hold AUDIO/MENU for more than 3 seconds to access the setup menu. Press AUDIO/MENU momentarily to select between the menu functions and rotate the volume knob left/right to adjust or activate the desired function.</td>
</tr>
</tbody>
</table>
## General Operation - Setup Menu

<table>
<thead>
<tr>
<th>Menu Function</th>
<th>Options</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Station Store</td>
<td>AUTO STORE</td>
<td>Press SELECT to seek and save 6 strong stations in the current band.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Tuner mode only)</td>
</tr>
<tr>
<td>Local/Distance Tuning</td>
<td>LOCAL OFF</td>
<td>Activates distance tuning (Tuner mode only).</td>
</tr>
<tr>
<td></td>
<td>LOCAL ON</td>
<td>Activates local tuning for strong station reception only (Tuner</td>
</tr>
<tr>
<td></td>
<td></td>
<td>mode only)</td>
</tr>
<tr>
<td>Tuner Frequency Spacing</td>
<td>FREQ USA</td>
<td>Programs the unit to USA tuner spacing. (200kHz for FM and 10kHz for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AM). (Tuner mode only)</td>
</tr>
<tr>
<td></td>
<td>FREQ EURO</td>
<td>Programs the unit to European tuner spacing. (50kHz for FM and 9kHz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for AM). (Tuner mode only)</td>
</tr>
<tr>
<td>Auxiliary Input</td>
<td>AUX ON</td>
<td>Enables the front panel 3.5mm auxiliary input.</td>
</tr>
<tr>
<td></td>
<td>AUX OFF</td>
<td>Disables the front panel 3.5mm auxiliary input.</td>
</tr>
<tr>
<td>Beep Confirmation</td>
<td>BEEP OFF</td>
<td>Disables the confirmation beep.</td>
</tr>
<tr>
<td></td>
<td>BEEP ON</td>
<td>Enables the confirmation beep.</td>
</tr>
<tr>
<td>Programmable Turn On Volume</td>
<td>PRO-VOL #</td>
<td>Programs unit to always turn on at a specific volume</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(default is OFF). Any volume level 1-46 can be selected.</td>
</tr>
<tr>
<td>Power on Message</td>
<td>MSG OFF</td>
<td>Disables power on message. (example: GOOD MORNING)</td>
</tr>
<tr>
<td></td>
<td>MSG ON</td>
<td>Enables power on message to be displayed.</td>
</tr>
<tr>
<td>Scrolling Option</td>
<td>SCROLL 15 S</td>
<td>Programs unit to scroll information once every 15 seconds (default).</td>
</tr>
<tr>
<td></td>
<td>SCROLL ONCE</td>
<td>Programs unit to scroll once, then show the first 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>characters on display.</td>
</tr>
<tr>
<td></td>
<td>SCROLL ON</td>
<td>Programs unit to scroll continuously.</td>
</tr>
<tr>
<td></td>
<td>SCROLL OFF</td>
<td>Programs unit to show the first 10 characters on the display.</td>
</tr>
<tr>
<td>Demonstration Mode</td>
<td>DEMO OFF</td>
<td>Disables the demonstration mode.</td>
</tr>
<tr>
<td></td>
<td>DEMO ON</td>
<td>Enables the demonstration message.</td>
</tr>
</tbody>
</table>
### General Operation

<table>
<thead>
<tr>
<th>Audio</th>
<th>Press AUDIO/MENU momentarily to select between Bass, Treble, Balance and Fader.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bass</td>
<td>Press AUDIO/MENU until BASs appears then rotate volume knob left/right to adjust (-7 minimum / +7 maximum).</td>
</tr>
<tr>
<td>Treble</td>
<td>Press AUDIO/MENU until TREBLE appears then rotate volume knob left/right to adjust (-7 minimum / +7 maximum).</td>
</tr>
<tr>
<td>Balance</td>
<td>Press AUDIO/MENU until BAL appears then rotate volume knob left/right to adjust (BAL 10L - BAL 10R). BAL EVEN represents equal balance.</td>
</tr>
<tr>
<td>Fader</td>
<td>Press AUDIO/MENU until FADER appears then rotate volume knob left/right to adjust (FAD 10R - FAD 10F). FAD EVEN represents equal fader.</td>
</tr>
</tbody>
</table>

### AM/FM Tuner Operation

<table>
<thead>
<tr>
<th>Seek Tuning</th>
<th>Press TUNE ◀◀ or TUNE ▶▶ momentarily to seek to the next strong station.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual Tuning</td>
<td>Press and hold TUNE ◀◀ or TUNE ▶▶ until &quot;MANUAL&quot; appears, then press TUNE ◀◀ or TUNE ▶▶ momentarily to change radio frequency up or down one step at a time. Press and hold to advance quickly.</td>
</tr>
<tr>
<td>Band</td>
<td>Press BAND to select between FM1, FM2, FM3, AM1 and AM2 bands.</td>
</tr>
<tr>
<td>Storing and Recalling Station Presets</td>
<td>Up to 18 FM stations and 12 AM stations can be stored. To store a station, select the desired band and station. Press and hold the desired preset button (1-6) for more than 2 seconds. When stored, the preset number will appear in the display. The station can be recalled anytime by pressing the corresponding preset button.</td>
</tr>
</tbody>
</table>
CD Player Operation

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insert CD</td>
<td>With the label facing up, insert a standard size CD into the CD slot. The CD will automatically begin playback.</td>
</tr>
<tr>
<td>Eject CD</td>
<td>Press EJECT to eject the CD. The unit will change to previous mode of operation. If the disc is not removed within 10 seconds, the unit will reload the disc. The unit does not have to be turned on to eject CD.</td>
</tr>
<tr>
<td>Track Select</td>
<td>Press TRACK ▶▶ to skip to the beginning of the next track. Press TRACK ◀◀ to return to the beginning of the current track. Pressing TRACK ◀◀ again skips to the beginning of the previous track.</td>
</tr>
<tr>
<td>Fast Forward/Reverse</td>
<td>Press and hold TRACK ▶▶ or TRACK ◀◀ on the remote control to fast forward or reverse a track.</td>
</tr>
<tr>
<td>Pause</td>
<td>Press ▶/II to temporarily stop CD playback. Press ▶/II again to resume playback.</td>
</tr>
</tbody>
</table>
| Intro          | Press INT to enter the Intro menu, then turn the volume knob to select one of the following options:  
• OFF - Cancels the INT function.  
• ALL - Plays the first 10 seconds of each track. |
| Repeat         | Press RPT to enter the Repeat menu, then turn the volume knob to select one of the following options:  
• ALL - Plays all tracks on CD.  
• SONG - Continuously repeats selected song. |
| Random         | Press RDM to enter the Random menu, then turn the volume knob to select one of the following options:  
• OFF - Cancels the RDM function.  
• ALL - Plays all tracks in random order. |
| CD-R/CD-RW Compatibility | Some CD-Rs and CD-RWs may be incompatible with this unit, depending on media type and recording method. In addition, the following CDs may be incompatible with this unit:  
CDs exposed to extreme temperatures or direct sunlight for extended periods of time, CDs recorded in which a recording session failed or a re-recording was attempted and, or encrypted or copy-protected CDs which do not conform to the audio CD-DA red book recording standard. |
## CD Player Operation - MP3/WMA Files

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Playing an MP3/WMA CD</strong></td>
<td>When an MP3/WMA encoded disc is first inserted, &quot;LOAD&quot; will appear in the display. Depending on the number of files and folders, this may take several seconds.</td>
</tr>
<tr>
<td><strong>Displaying Information</strong></td>
<td>ID3 tag and file/folder information will be automatically changed during playback. Press DISP to view the clock. Default display will resume after five seconds.</td>
</tr>
<tr>
<td><strong>Character Support</strong></td>
<td>Maximum character display information</td>
</tr>
<tr>
<td></td>
<td>• Track name – 64 character maximum</td>
</tr>
<tr>
<td></td>
<td>• Directory name – 64 character maximum</td>
</tr>
<tr>
<td></td>
<td>• *Song title – 64 character maximum</td>
</tr>
<tr>
<td></td>
<td>• *Artist name – 64 character maximum</td>
</tr>
<tr>
<td></td>
<td>• *Album name – 64 character maximum</td>
</tr>
<tr>
<td></td>
<td>*Song title, artist name and album name will only be displayed if included with the MP3/WMA file.</td>
</tr>
<tr>
<td><strong>Repeat</strong></td>
<td>Press RPT to choose between:</td>
</tr>
<tr>
<td></td>
<td>• Current Song - Continuously repeats selected track.</td>
</tr>
<tr>
<td></td>
<td>• Current Folder - Continuously repeats all files in folder.</td>
</tr>
<tr>
<td><strong>Random</strong></td>
<td>Press RDM to choose between:</td>
</tr>
<tr>
<td></td>
<td>• Off - Cancels RDM function.</td>
</tr>
<tr>
<td></td>
<td>• All Songs - Plays all tracks in random order.</td>
</tr>
<tr>
<td></td>
<td>• Current Folder - Plays all tracks in folder in random order.</td>
</tr>
<tr>
<td><strong>Intro</strong></td>
<td>Press INT to enter the Intro menu, then turn the volume knob to select one of the following options:</td>
</tr>
<tr>
<td></td>
<td>• Off - Cancels the INT function.</td>
</tr>
<tr>
<td></td>
<td>• All Songs - Plays first 10 seconds of each track.</td>
</tr>
<tr>
<td></td>
<td>• Current Folder - Plays first 10 seconds of each track in folder.</td>
</tr>
</tbody>
</table>
CD Player Operation - MP3/WMA Files

Media Compatibility

The following types of discs/files are compatible:
- CD-ROM (ISO), CD-R, CD-RW
- CD-DA
- MP3 data
- WMA data

The following types of discs/files are not compatible:
- WMA files that are protected by DRM (Digital Rights Management).
- WMA lossless format
- Discs recorded with Track At Once or packet writing
- MP3 PRO format
- MP3 playlists
- WAV format

Playback Order

MP3/WMA playback sequence is based on recorded order of files and begins in the root folder of the disc. Any empty folders or folders that do not include MP3/WMA files are skipped. This unit may not play files in the order they were recorded in. Refer to your recording software’s user’s manual for more information.

Compatible Recording Formats

- ISO9660 level 1
- ISO9660 level 2
- Yellow Book MODE 1
- Yellow Book MODE 2 FORM 1
- Multi session
- Maximum folders and files - 256
- Maximum folder levels - 8
- MPEG-1/2/2.5 Audio Layer-3

ISO9660 standards:
- Maximum nested folder depth is 8 (including the root folder).
- Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and “_” (underscore). Some characters may not be displayed correctly, depending on the character type.
- This device can play back discs in Joliet, Romeo, and other standards that conform to ISO9660. MP3/WMA written in the formats other than the above may not play and/or their file names or folder names may not be displayed properly.
## CD Player Operation - MP3/WMA Files

### Additional MP3/WMA Information

When playing a disc recorded with regular audio files (CD-DA or .WAV) and MP3/WMA files, the unit will play the MP3/WMA files only.

- Only MP3 files with filename extension (.mp3) can be played.
- Only WMA files with filename extension (.wma) can be played.

Do not attempt to play discs which contain non-MP3/WMA files with the MP3/WMA extension.

### Sampling Frequency Rates

<table>
<thead>
<tr>
<th></th>
<th>MP3</th>
<th>WMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>8kHz</td>
<td>~ 48kHz</td>
<td>8kHz</td>
</tr>
</tbody>
</table>

### Transfer Bit rates

<table>
<thead>
<tr>
<th></th>
<th>MP3</th>
<th>WMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>8kbps</td>
<td>~ 320kbps constant</td>
<td>8kbps</td>
</tr>
<tr>
<td></td>
<td>Variable bit rates</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Some files may not play or be displayed correctly, depending on sampling rates and bit rates.

### MP3 Tag Display

ID3 tags Version 1.0 to 2.0.
This model will not display ID3 Version 2.0 or greater tags.

### Recommended Settings

For best results, use the following settings when burning an MP3 disc:
- 128kbps or higher constant bit rate
- 44.1kHz or higher sampling frequency

For best results, use the following settings when burning a WMA disc:
- 64kbps or higher constant bit rate
- 32kHz or higher sampling frequency
DCBT304U OPERATION

USB Operation

Connecting a USB Device (sold separately)
To play MP3/WMA files from most USB mass storage devices, line up the USB connector and insert the USB device into the DCBT304U’s USB port.

Playing Music
When a USB device is first connected, “LOAD” will appear in the display and playback will begin momentarily. Depending on the number of files and folders, it may take several seconds for the device to begin playing. If no valid MP3/WMA files are detected, “NO FILE” will be displayed and the last mode will be resumed.

Track Select
Press TRACK ►► to skip to the beginning of the next track. Press TRACK ◄◄ to return to the beginning of the current track. Pressing TRACK ◄◄ again skips to the beginning of the previous track.

Fast Forward and Reverse
Press and hold TRACK ►► or TRACK ◄◄ on the remote control to fast forward or reverse a track.

Pause
Press ◄/II to temporarily stop USB playback. Press ◄/II again to resume playback.

Displaying Information
ID3 tag and file/folder information will be automatically changed during playback. Press DISP to view the clock. Default display will resume after five seconds.

Repeat
Press RPT to choose between:
• Current Song - Continuously repeats selected track.
• Current Folder - Continuously repeats all files in folder.

Random
Press RDM to choose between:
• Off - Cancels RDM function.
• All Songs - Plays all tracks in random order.
• Current Folder - Plays all tracks in folder in random order.

Intro
Press INT to enter the Intro menu, then turn the volume knob to select one of the following options:
• Off - Cancels the INT function.
• All Songs - Plays first 10 seconds of each track.
• Current Folder - Plays first 10 seconds of each track in folder.
### USB Operation

#### Character Support
- Maximum character display information
  - Track name – 64 character maximum
  - Directory name – 64 character maximum
  - *Song title – 64 character maximum
  - *Artist name – 64 character maximum
  - *Album name – 64 character maximum

*Song title, artist name and album name will only be displayed if included with the MP3/WMA file.

#### Media Compatibility
- The following types of files are compatible:
  - MP3 data
  - WMA data

- The following types of files are not compatible:
  - WMA files that are protected by DRM (Digital Rights Management).
  - WMA lossless format
  - MP3 PRO format
  - MP3 playlists
  - WAV format

#### Playback Order
- MP3/WMA playback sequence is based on order the files are copied to the USB/SD device and begins in the root folder. Any empty folders or folders that do not include MP3/WMA files are skipped. Depending on your software, the playback order may vary.

#### Playback Capacity
- Maximum number of files: 999
- Maximum number of folders: 999
- Maximum number of folder levels (sub folders): 8

**Note:** If the number of files/folders exceeds the maximum outlined above, the additional files/folders will be ignored.

**Note:** Devices that exceed the maximum number of files or folders may not function properly.

#### USB Device Compatibility
- Due to the differences of USB devices, some devices may not be compatible. USB devices must be 'mass storage class' and formatted to the FAT or FAT32 file system in order to ensure compatibility. USB devices must be 32GB or smaller in capacity to be compatible.
USB Operation

Additional MP3/WMA Information
Only MP3 files with filename extension (.mp3) can be played. Only WMA files with filename extension (.wma) can be played. Do not attempt to play non-MP3/WMA files with the MP3/WMA extension.

Sampling Frequency Rates
<table>
<thead>
<tr>
<th></th>
<th>MP3</th>
<th>WMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>8kHz ~ 48kHz</td>
<td>8kHz ~ 48kHz</td>
<td></td>
</tr>
</tbody>
</table>

Transfer Bit rates
<table>
<thead>
<tr>
<th></th>
<th>MP3</th>
<th>WMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>8kbps ~ 320kbps constant Variable bit rates</td>
<td>8kbps ~ 384kbps constant Variable bit rates</td>
<td></td>
</tr>
</tbody>
</table>

Note: Some files may not play or be displayed correctly, depending on sampling rates and bit rates.

MP3 Tag Display
ID3 tags Version 1.0 to 2.0

Note: If an invalid ID3 tag version is detected, "NO SUPPORT" will scroll on the display.
**DCBT304U OPERATION**

**Bluetooth® Operation**

**Pairing a Device**

**Preparation**

Before you can use a Bluetooth device, it must be paired and connected. Make sure that Bluetooth is activated on your device before you begin the pairing process.

**Pairing a New Device**

The DCBT304U broadcasts the pairing signal constantly when no devices are currently connected. Complete the pairing sequence from your Bluetooth device. Refer to the owner’s manual for your device for more details.

The device name is "DUAL BT"
The Bluetooth passcode "1234"

Note: The DCBT304U can be in any mode of operation when pairing is performed.

**Pairing Additional Devices**

If a device is currently connected, press and hold to disconnect the current device before a new device can be paired. Then begin the pairing sequence from the new Bluetooth device.

**(Re)Connecting a Paired Device**

Most Bluetooth devices support the auto-connect feature, and will connect automatically if the device is in range when the DCBT304U is powered-on. If your device was previously paired but does not connect, use these instructions below. Some devices require authorization to allow the auto connect feature.

- If your most recently connected Bluetooth device becomes disconnected or does not reconnect, press from Bluetooth mode to reconnect your mobile device.

- To connect a previously paired device that was not recently connected:
  1) If applicable, press and hold to disconnect any connected mobile devices.
  2) From Bluetooth mode, press SELECT. "Paired Devices" will appear on the LCD.
  3) Turn the volume knob to cycle through the list of devices.
  4) Press SELECT or to connect to the desired device. It must be in range to connect.

Note: If the Auto Connect setup menu setting is set to OFF, you must press to connect you device after pairing, and each time the DCBT304U is powered-on.

**Disconnecting a Device**

Press and hold for 3 seconds to disconnect a connected device. The device will remain paired and appear in the PAIRED DEVICES menu, but not be connected.
# Bluetooth® Operation

## Making a Phone Call

| Manual Dialing | • Press once. “Enter Phone Number” will be shown, then an “_” will appear on the display.  
|                | • Using the remote control, enter the phone number using the 0-9 buttons. Press \( \) on the remote control or DCBT304U front panel to begin dialing.  
|                | **Note:** Placing a phone call from your cell phone will also use the Bluetooth function of the DCBT304U.  
| Recent Calls List | • Press SELECT from Bluetooth mode to view the 10 most recent phone calls that were dialed, received or missed while connected to the DCBT304U.  
|                | • Turn the **volume knob** to cycle through the recent phone numbers. Press SELECT or \( \) to dial the phone number.  
| Redialing the last number | To redial the last phone number, press \( \) two times from Bluetooth mode. Press \( \) again to redial the phone number.  

## Receiving and Ending Phone Calls

| Receiving a Phone Call | Incoming phone calls will automatically appear on the display and a ring tone will be heard.  
|                        | **Note:** The volume of the ring tone depends on the volume level of the DCBT304U. The incoming ring tone may not be heard if the volume is set to a low level or mute is activated.  
|                        | • Press \( \) to receive the incoming phone call.  
|                        | • Press \( \) to refuse the incoming phone call.  
|                        | **Note:** If **Auto Answer** is set to **ON** in the setup menu, all phone calls will be received automatically.  
| Ending a Phone Call | During an active phone call, press \( \) to end a phone call. If the phone call was received when listening to music in another mode, the DCBT304U will resume the previous mode.  


Bluetooth® Operation

During a Phone Call

Volume

Turn the volume knob to adjust the volume level during a phone call. Bluetooth mode has a separate volume level from the main volume of other modes. The DCBT304U will remember the volume level in Bluetooth mode and always return to the last volume level for each phone call.

Microphone Mute

Press MUTE during a phone call to turn the DCBT304U’s external microphone off. Press MUTE again to resume microphone operation.

Audio Transfer

Press DISP during a phone call to transfer the call from the DCBT304U to the cell phone. Press DISP again to toggle the audio back to the DCBT304U.

Call Waiting

During a phone call, if there is a second incoming call, press to place the first call on hold and switch to the second phone call. Press again to switch back to the first call.

Call Hold

During a phone call, when there are no additional incoming calls, press to place the call on hold. Press again to resume the phone call.

Note: Audio transfer, call waiting and call hold must be supported by the mobile phone and service provider to function properly.

Bluetooth Setup Menu Options

<table>
<thead>
<tr>
<th>Function</th>
<th>Options</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluetooth</td>
<td>BT (ON/OFF)</td>
<td>Enables/disables Bluetooth functionality.</td>
</tr>
<tr>
<td>Auto Connect</td>
<td>ACNT (ON/OFF)</td>
<td>Set to ON to allow a Bluetooth device to connect automatically. Setting to OFF requires manually connecting the device.</td>
</tr>
<tr>
<td>Auto Answer</td>
<td>AANS (OFF/ON)</td>
<td>When set to ON, every incoming phone call will automatically be answered after 2-3 rings. When set to OFF, the button must be pressed to answer incoming phone calls.</td>
</tr>
<tr>
<td>Speaker Output</td>
<td>BT SPK (FR/ALL)</td>
<td>Set to FRONT to direct the Bluetooth audio output to the front speakers only. Set to ALL to enable Bluetooth audio to output from all 4 speakers.</td>
</tr>
</tbody>
</table>
DCBT304U OPERATION

Bluetooth® Operation

Streaming Audio Operation

The DCBT304U supports A2DP (advanced audio distribution profile) wireless streaming audio from your Bluetooth mobile device directly to your head unit. You can also control your music from the front panel of the head unit using AVRCP (audio video remote control profile).

Notes:

• To stream music to your head unit, your mobile device must support the A2DP and AVRCP Bluetooth profiles. Check the owner’s manual of your mobile device for details.

• Streaming audio must be enabled from your mobile device. This option will vary depending on the device. Some devices allow streaming audio to be disabled.

After pairing, connecting and enabling streaming audio from a compatible mobile device, begin playing music using the music player on your mobile device. Once the music is playing, the following functions can be used to control the music:

• The ▶▶ button will skip to the next available audio track.
• The ◀◀ button will skip to the previous audio track.
• The ▶/❚❚ button will toggle between play and pause during playback.
• The ◆ button will stop the audio playback.

Note: Some Bluetooth devices may not fully support these commands.

Bluetooth Reset

Resetting the Bluetooth module will remove the list of paired phones and delete the list of recent calls from memory.

To reset Bluetooth, perform the following steps:
1) Press MODE UP/DOWN until the head unit is in Bluetooth mode.
2) Press and hold MODE DOWN for 3 seconds to reset the Bluetooth settings back to the factory default.

Compatibility Note:

Due to the differences in Bluetooth technology, some mobile devices may be incompatible, function improperly or may not support all features when used with the DCBT304U.
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit will not turn on (no power)</td>
<td>Yellow wire not connected or incorrect voltage Red wire not connected or incorrect voltage</td>
<td>Check connections for proper voltage (11~16VDC)</td>
</tr>
<tr>
<td></td>
<td>Black wire not connected</td>
<td>Check connection to ground</td>
</tr>
<tr>
<td></td>
<td>Fuse blown</td>
<td>Replace fuse</td>
</tr>
<tr>
<td>Unit has power (but no sound)</td>
<td>Speaker wires not connected</td>
<td>Check connections at speakers</td>
</tr>
<tr>
<td></td>
<td>One or more speaker wires touching each other or touching chassis ground</td>
<td>Insulate all bare speaker wires from each other and chassis ground</td>
</tr>
<tr>
<td>Unit blows fuses</td>
<td>Yellow or red wire touching chassis ground</td>
<td>Check for pinched wire</td>
</tr>
<tr>
<td></td>
<td>Speaker wires touching chassis ground</td>
<td>Check for pinched wire</td>
</tr>
<tr>
<td></td>
<td>Incorrect fuse rating</td>
<td>Use fuse with correct rating</td>
</tr>
<tr>
<td>Excessive skipping</td>
<td>Unit is not mounted correctly or backstrap is not secure</td>
<td>Check mounting sleeve and backstrap support</td>
</tr>
<tr>
<td></td>
<td>Physical defect in media (CD, CD-R or CD-RW)</td>
<td>Check media for scratches</td>
</tr>
<tr>
<td>ERR FILE appears on display</td>
<td>Disc read error</td>
<td>Press eject or <strong>RESET</strong></td>
</tr>
<tr>
<td></td>
<td>Focus error or disc is in upside down</td>
<td>Press eject or <strong>RESET</strong></td>
</tr>
<tr>
<td></td>
<td>The WMA file is copy-protected by DRM (Digital Rights Management)</td>
<td>Write disc using WMA files that are not copy-protected</td>
</tr>
<tr>
<td>NO FILE appears on display</td>
<td>No playable MP3/WMA files found on the device</td>
<td>Check the device for valid MP3/WMA files</td>
</tr>
<tr>
<td>Unit will not accept a disc</td>
<td>CD mechanism position out of alignment</td>
<td>Press <strong>EJECT</strong> to reset CD mechanism position</td>
</tr>
<tr>
<td></td>
<td>CD transit screws still in place</td>
<td>Remove 2 transit screws located on top of the unit</td>
</tr>
<tr>
<td>NO SUPPORT appears on display</td>
<td>An invalid ID3 tag version is present</td>
<td>Version 1.0 to 2.0 ID3 tags are supported.</td>
</tr>
</tbody>
</table>
Limited One Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

Who is covered? This warranty is extended to the original retail purchaser for products purchased from an authorized Dual dealer and used in the U.S.A.

What to do?
1. Before you call for service, check the troubleshooting guide in your owner’s manual. A slight adjustment of any custom controls may save you a service call.

2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.

3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.

4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

Exclusion of Certain Damages: This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company’s negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

**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 against 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.
## Specifications

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
</table>
| **CD Player** | Frequency response: 20Hz-20kHz  
Channel separation @ 1kHz: >60dB  
D/A converter: 1 Bit |
| **FM Tuner** | Tuning range: 87.5MHz-107.9MHz  
Usable sensitivity: 8.5dBf  
50dB quieting sensitivity: 10dBf  
Stereo separation @ 1kHz: >30dB  
Frequency response: 30Hz-13kHz |
| **AM Tuner** | Tuning range: 530kHz-1710kHz  
Usable sensitivity: <42dBu  
Frequency response: 30Hz-2.2kHz |
| **General** | Speaker output impedance: 4~8 ohms  
Line output voltage: 2 Volts RMS  
Dimensions: 7” x 7” x 2” (178 x 178 x 50 mm) |

Design and specifications subject to change without notice.

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### CEA-2006 Power Standard Specifications

(Reference: 14.4VDC +/- 0.2V, 20Hz~20kHz)

- Power Output: 18 Watts RMS x 4 channels at 4 ohms and ≤ 1% THD+N
- Signal to Noise Ratio: 70dBA (Reference: 1 watt into 4 ohms)