OWNER'S MANUAL DEA700 RADIO 2020

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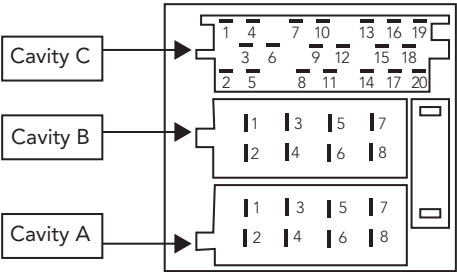# DEA7XX
RADIOS SYSTEM

INTRODUCTION

The information within this manual describes all the features that may or may not be on your specific radio either because they are options that you did not purchase or changes occurred subsequent to the printing of this manual.

OVERVIEW

The radio system is controlled by using the buttons, RSA or steering wheel controls.

RADIO PINOUT: Shown below.

Cavity	Pin #	Function	I/O
A1	1	CAN-HIGH	I/O
A2	2	CAN-LOW	I/O
A3	3	PARK LIGHTS	I
A4	4	IGNITION	I
A5	5	PWR_ANT	O
A6	6	DIM PWM/ANALOG	I
A7	7	BATTERY	I
A8	8	POWER GROUND	I
B1	9	RR + (SPEAKER)	O
B2	10	RR - (SPEAKER)	O
B3	11	RF + (SPEAKER)	O
B4	12	RF - (SPEAKER)	O
B5	13	LF + (SPEAKER)	O
B6	14	LF - (SPEAKER)	O
B7	15	LR + (SPEAKER)	O
B8	16	LF - (SPEAKER)	O
C1	17	N/C	N/A
C2	18	AMP SENSE	I
C3	19	N/C	N/A
C4	20	MUTE	I
C5	21	ASWC (ANALOG STEERING WHEEL CONTROL)	I
C6	22	POWER GROUND	N/A
C7	23	L_AUX_IN 1	I
C8	24	AUX_SHIELD_GND	I
C9	25	AUX 1_ COM	I
C10	26	R_AUX_IN 1	I
C11	27	AUX 1_ON_OFF	I
C12	28	N/C	N/A
C13	29	PA_MIC_PWR	O
C14	30	N/C	N/A
C15	31	MIC + (BT)	I
C16	32	MIC - (BT)	I
C17	33	POWER GROUND	O
C18	34	AUDIO (+) PA MIC	I
C19	35	MIC_ON ACTIVE LOW INPUT (PA + INPUT)	I
C20	36	GND (PA - INPUT)	O

Cavity C

Cavity B

Cavity A

RADIO BUTTON OPERATION

SRC (SOURCE / POWER)

Press to turn radio ON and to toggle between between sources. FM -> AM -> SXM or DAB (if supported) -> WX or LW -> USB/ipod (if supported and connected) -> Front AUX (if connected) -> Rear Aux -> Bluetooth Audio (if supported and connected).

Press and hold to turn radio OFF.

ONE-HOUR TIMER

With the ignition off, pressing the SRC button will turn on the radio and activate the radio's one-hour timer. The radio will turn off after one hour or by pressing and hold the SRC button.

VOLUME KNOB / OK

Rotate to increase or decrease audio volume.

Press for less than 3 seconds to mute audio.

Press for more than 3 seconds to show the setting adjustments Menus. Rotating will allow you to scroll through available Menus. Select a Menu and press to confirm.

PREV (PREVIOUS/REVERSE)

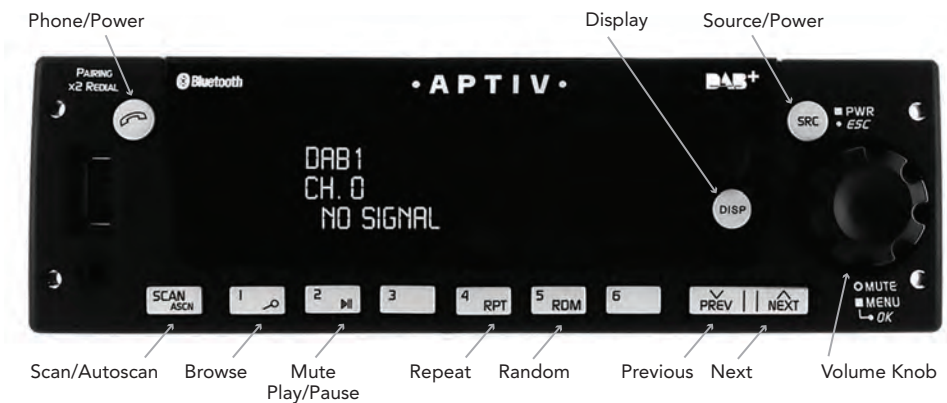Press to select previous track or station. Press and hold for Fast Reverse (FR) or Tune Down.

NEXT (NEXT/FORWARD)

Press to select next track or station. Press and hold for Fast Forward (FF) or Tune Up.

PHONE (IF SUPPORTED)

Press the Phone button to show the Bluetooth Menu. When Bluetooth is enabled and a device connected, long press the button to display the Dial Menu or short press to accept an incoming call.

Phone/Power — Display — Source/Power

Scan/Autoscan — Browse — Mute Play/Pause — Repeat — Random — Previous — Next — Volume Knob

SCAN/ASCAN
Scans station/MP3/WMA files and folders; and stores strongest stations to radio presets.

PLAY/PAUSE
Press to pause / unpause current media.

RPT (REPEAT)
Press to repeat current track. Press again to stop repeat. Look for the RPT icon in the radio display to turn this feature ON or OFF.

BROWSE
Press to navigate on a device and select a specific song or play content (applicable to USB sticks and iPods).

RDM (RANDOM)
Press to play the tracks randomly. Press again to stop random mode. Look for the RDM icon in the radio display to turn this feature ON or OFF.

ESC/SCR (ESCAPE)
Press to exit one Menu level. While in Bluetooth (if supported): Press to reject or cancel a call.

DISP (DISPLAY)
If vehicle ignition is ON: Press to change source display views.
If vehicle ignition is OFF: Press to turn on the radio and show the clock for a few seconds.

RADIO

AUDIO SOURCE
To access AM, FM, WX/LW, SXM/DAB (if supported), iPod, USB, Rear Aux, Front Aux or BT Audio do the following:
• Press the SRC button to scroll through the options and select the desired one.

USB/iPod and BT Audio shall be accessed only if the radio model supports them and a device is connected/inserted for that specific source.

Please note, if a device is connected through different sources at the same time, the feature functionality cannot be guaranteed to work at its best performance (device dependent): e.g. Device connected through Front Aux and Bluetooth or USB and Bluetooth at the same time.

AM-FM-WX/LW RADIO
Playing the radio.

TUNING
Select the desired 'Tuner Configuration' by following the steps in the Menu section.

If set to MANUAL, the radio will:
• Execute Manual Tuning when the NEXT or PREV buttons are short pressed.
• Execute Seek when the NEXT or PREV buttons are long pressed.

If set to AUTO, the radio will:
- Execute Seek when the NEXT or PREV buttons are short pressed.
- Execute Manual Tuning when the NEXT or PREV buttons are long pressed

MANUAL TUNING
The current frequency will be increased or decreased by 1 step of 0.2MHz (USA FM mode), 10 kHz (USA AM mode) and one channel (25 kHz) in WX mode.

SEEKING A STATION
When the Seek function is activated the radio increments/decrements the frequency until a tunable station is found. If a tunable station is not found the radio will display 'NO STATION FOUND.'

PRESETS
STORING RADIO STATION PRESETS
Short press any of the Preset (1-6) buttons. The frequency stored at the preset location is tuned when the button is released.

SCAN
To initiate the Scan function, short press the SCAN/ASCN button. When SCAN is initiated, the radio seeks up in frequency and stops on the next strong frequency for 8 seconds before continuing to seek for the next strong station.

If no station is found in two passes through the band, the radio will display 'NO STATION FOUND' and returns to its initial frequency.

AUTOSCAN
This function temporarily stores the strongest six stations of the current band in the presets until the radio is powered off or the source is changed.

AUTOSCAN does not store the frequencies on the presets in numerical order; they are stored based on the order in which they were found and on the quality of the frequency.

To initiate the AUTOSCAN function, long press the SCN/ASCN button until the radio beeps; then the 'AUTO SCAN' icon will blink while the radio is storing the temporary presets.

When the storing process finishes the radio will tune to the station stored in Preset 1 and the 'AUTO SCAN' icon shall be illuminated while the mode is active.

To tune any of the six frequencies or to store new presets follow the steps defined in the Presets section.

To exit this mode and return to the original presets execute any of the following actions:

- Press and hold the SCAN/ASCAN button.
- Press the SRC button.
- Turn off the radio.
- Make an ignition cycle.
- Disconnect the battery.

WX
The WX band is for the Governmental weather radio services frequencies; the radio can tune the seven weather channels following the steps in Tuning, Presets and SCAN sections.

LW
The Long Wave radio is mostly used in Europe. You can navigate from 153 KHz to 279 KHz of frequency. The steps between next or previous channels is of 9 KHz. To navigate in LW follow the steps in Tuning, Presets and SCAN sections.

SXM (IF SUPPORTED)
Vehicles with a valid SiriusXM® satellite radio subscription can receive SXM programming. SiriusXM has a wide variety of programs and commercial-free music, coast-to-coast and in digital-quality sound.

SXM DISPLAY

When SiriusXM is active, the channel number, channel name, artist name/content info, song title or category name will be displayed on the screen. SiriusXM may update the information at any time.

To change the current display view, short press the DISP button.

When a new channel is selected, a song change occurs, SXM source is selected (from power up or source change) or the information is updated, all the elements will be displayed using paging; the paging can be stopped by short pressing the DISP button.

SXM CATEGORIES SELECTION

SiriusXM channels are organized in categories. The category list for SXM channels is available on the the following webpage:

http://www.siriusxm.com/sxm/pdf/sirius /channelguide.pdf

To change the current category long press the NEXT/PREV button and the radio will tune to the first channel on next or previous category.

CATEGORY MODE ENABLE/DISABLED

'Category Search Mode Enabled 'means that only channels in the current 'Category' are searched. When enabled, the Category icon is turned on and will display on the screen.

'Category Search Mode Disabled' means that all channels are searched. When disabled, the Category icon is turned off.

The default setting at power up is: Category Disabled. See CATEGORY ENABLE/DISABLE on page 20 of this manual for steps to change the default setting.

SXM CHANNEL SELECTION

Presets and SCAN functions work the same as defined in the SCAN subsection of AM-FM-WX/LW Radio.

NEXT button

While in SXM mode the radio will scroll to the next channel available in numerical order.

PREV button

While in SXM mode the radio will scroll to the previous channel available in numerical order.

If the SXM service is not activated, only the free-to-air channels will be available.

STORING SXM CHANNEL PRESETS

Tune to the desired channel, then long press any of the Preset (1 - 6) buttons until the radio beeps, confirming the station is a preset.

For tuning to the stored channels, short press any of the Preset (1 - 6) buttons.

SXM RADIO ID

If tuned to channel 0, 'RADIO ID' will display and then the SXM radio eight-digit code. These two messages will alternate on the screen. The eight-digit code is needed to activate SXM service.

The DISP button does not work when the radio is tuned to channel 0. Channel 0 is not available in 'Category Mode Enabled.'

SXM MESSAGES

SXM BUSY

The radio is acquiring and/or processing audio from SXM satellites and/or text data. No action is needed.

CHECK ANTENNA

SXM antenna or antenna cable is not connected to the radio or the antenna is shorted. SXM programming will not be available until the SXM antenna is properly connected.

NO SIGNAL

SXM tuner module reports the 'No Signal' condition. Only Channel 0 will work until a signal to the SXM satellites is restored.

CHAN UNSUBSCRIBED

Active channel has become unsubscribed or the requested channel is not unsubscribed.

SUBSCRIPTION UPDATED

The SXM subscription on the radio was updated. Message will timeout after five seconds.

CH UNAVAILABLE

The requested channel is reported unavailable for a newly selected channel or the currently selected channel.

Unavailable channels are those that are in the legal channel range but are not currently available for use; or are not part of the specific SXM subscription service package.

After five seconds the channel 1 will be tuned.

TUNE START

When you tune to a SXM Preset and have not heard the current track previously, the radio will automatically play that track from the start using the 'Instant Replay' buffer.

To enable/disable the 'Tune Start' mode follow the steps under TUNE START on page 20 of this manual.

INSTANT REPLAY

If tuned to a Preset the radio will automatically provide access to that channel's buffered content through 'Instant Replay' functions, so this content is available for you to navigate.

To enable/disable the 'Instant Replay' mode long press the DISP button while SXM source is active.

While 'Instant Replay' is enable, it activates the second function of Preset keys.

Skip Backward – P1 short press
Rewind – P1 press and hold
Play/Pause – P2 short press toggle
Skip Forward – P3 short press
Fast Forward – P3 press and hold
Go Live – P4 Short press.

TUNE SCAN

As the radio performs the 'Tune Scan' function, it automatically plays excerpts from the start of buffered songs and updates metadata (e.g. artist/title) as each song excerpt is played. While 'Tune Scan' is executing, the radio reacts to two navigation controls if invoked, Skip Backward and Skip Forward.

• Presets must be stored before using 'Tune Scan.' If no presets are saved, "NOT ENOUGH CONTENT TO SCAN" will be shown on the display.
• To enable/disable the 'Tune Scan' mode long press the SCAN button while the SXM source is active.

DAB (IF SUPPORTED)

When DAB is active, the station name and category name will be displayed on the screen.

DAB TRAFFIC ANNOUNCEMENT (TA)

The radio makes an alert to notify there is an available TA. To hear it, press the Volume Knob in the option LISTEN when the alert is active. To close the announcement press ESC button or select the CANCEL option by scrolling with Volume Knob and pressing it.

DAB ANNOUNCEMENT

When a DAB announcement event occurs (and you are not on a phone call): the radio will automatically tune to the necessary station and a full screen pop-up is shown. Pressing ESC will close the popup, return to last screen and clear the announcement.

DAB ANNOUNCEMENT CATEGORY

With DAB announcements, you can receive alerts from different categories. You can select your preferred category from the list in the DAB ANNCMNTS CAT Menu. See page 19.

ALTERNATE FREQUENCY (AF)/
SERVICE FOLLOWING (DAB-FM LINK)

While ON, if the current station loses signal the radio will attempt to find a station in DAB currently in simulcast, the display won't change from the current station, only new audio will come through and be updated if necessary.

REGIONAL (DAB RADIOS ONLY)

This functionality allows you to lock down the current regional programming or let the radio tune in other region-specific programming as you drive through other regions.

REFRESH LIST (DAB RADIOS ONLY)

The 'Refresh List' function allows you to update all the DAB lists. In the REFRESH LIST Menu you can activate this option. During the updating process, the radio will inform you of the ongoing operation. To cancel the update, press the ESC button. See page 19.

EMERGENCY ALERT

When an emergency announcement event occurs (and you are not on a phone call): the radio will automatically tune to the emergency station/channel and display a pop-up on screen. Once the emergency announcement is complete the pop-up is removed from the screen, or you can press the button ESC to close the pop-up.

NEXT button

While in DAB, the radio will scroll to the next station within the current station list.

PREV button

While in DAB, the radio will scroll to the previous station within the current station list.

STORING DAB STATION PRESETS

Tune the desired station, and long press any of the Preset (1 - 6) buttons until the radio produces a beep.
For tuning to a stored station, short press any of the Preset (1 - 6) buttons.

DAB MESSAGES

STATION NOT AVAILABLE

If signal is lost while on a station, the station name shall remain on the screen and 'STATION NOT AVAILABLE' will be displayed below it.

NO SIGNAL

DAB tuner module reports on the display the 'NO SIGNAL CONDITION.'

STATION CURRENTLY UNAVAILABLE

If the station is currently not available, radio will display 'STATION CURRENTLY UNAVAILABLE.'

NO INFO

When radio text is not available, radio will display 'NO INFO.'

iPOD (IF SUPPORTED)

This radio supports the following iPod models:
- · iPod classic (7th generation)
- · iPod nano (7G)
- · iPod touch (7G)
- · iPhone (from 5S to XS)

Other iPod models may be played, but the functionality is not guaranteed.

The radio provides up to 2.1 A of charge, so any device connected to the USB that requires less than 2.1 A will be charged. **NOTE:** Some DEA7XX radio models are limited to 1 A.

When an iPhone is connected as the Bluetooth audio source, connecting as iPod will disconnect the iPhone as the Bluetooth audio source.

There may be problems with the operation and function in the following situations:
- When connecting an iPod on which a more recent version of the firmware is installed than is supported by the radio.
- When connecting an iPod with firmware from other providers is installed.
- Connecting an iPod or iPhone with a non-authentic Apple cable to the USB port cannot be guaranteed for charging or playback (it is recommended to always use authentic Apple certified cables to avoid this failure mode).
- The cable length is greater than two meters.

PLAYING FROM AN iPOD
To connect an iPod:
1.) Connect one end of the standard iPod USB cable to the dock connector on iPod.
2.) Connect the other end of the cable to the USB port on the front radio display.
3.) The radio will start playing from the iPod through the vehicle's speakers and music info will be displayed (track number, song, artist, elapsed time and album name, if available).
4.) If the iPod is an unsupported model, it can still be listened to in the vehicle by connecting to the auxiliary input jack using a standard 3.5mm (1/8 in) stereo cable.

Expected behavior when iPod is connected:
- The iPod battery recharges automatically while the vehicle is on.
- The iPod shuts off and stops charging when the vehicle is shut off.

iPOD MENU
Press the magnifying glass (Preset 1) button while in USB source (iPod connected) is active to access the iPod Menu.
Rotate the Volume Knob or use the NEXT and PREV buttons to navigate through the different iPod Menu options.

Use the iPod Menu to select:

PLAYLISTS:
1.) Press to view the playlists on the iPod.
2.) Select a playlist name to view a list of all songs in the playlist.
3.) Select the song from the list to begin the playback.

ARTISTS:
1.) Press to view the artists on the iPod.
2.) Select an artist name to view a list of all albums with songs by the artist.
3.) Select the song from the list to begin the playback.

ALBUMS:
1.) Press to view the albums on the iPod.
2.) Select an album name to view a list of all songs on the album or select 'All Songs' to view all songs on the iPod.
3.) Select the song from the list to begin the playback.

GENRES:
1.) Press to view the genres on the iPod.
2.) Select a genre name to view a list of artists of that genre.
3.) Select an artist to view albums or select 'All Albums' to view all albums of that genre.
4.) Select artist to view albums.
5.) Select album to view song.
6.) Select the song from the list to begin the playback.

PODCASTS:
1.) Press to view the podcasts on the iPod.
2.) Select a podcast name to begin playback.

SONGS:
1.) Press to view a list of all songs on the iPod.
2.) Select the song from the list to begin the playback.

COMPOSERS:
1.) Press to view the composers on the iPod.
2.) Select the composer to view a list of songs by that composer.
3.) Select the song from the list to begin the playback.

AUDIO BOOKS:
1.) Press to view the audio books on the iPod.
2.) Select the audio book from the list to begin the playback.

When an iPhone or iPod touch with iOS lower than iOS 5.0 is connected through USB and Bluetooth, the audio may not be heard when the iPod source is selected. To correct this situation, check the cable connection to the dock connector on the iPhone or iPod touch or disconnect and reconnect the Apple device.

Note: iOS is the Apple Operative System.

Use the following controls to play the iPod:

PREV (PREVIOUS)
Press PREV to seek to the beginning of the current or previous track.
If the track has been playing for less than ten seconds, it seeks to the previous track. If longer than ten seconds, the current track starts from the beginning.

NEXT (NEXT)
Press to seek to the next track.

FF/FR (FAST FORWARD/FAST REVERSE)
To fast forward or reverse through a track, press and hold NEXT or PREV button.

RDM (RANDOM)
Press RDM to play the tracks randomly. Press again to stop random (shuffle) mode. Look for the RDM icon on the radio display when this function is active.

RPT (REPEAT)
Press RPT to repeat current track. Press again to stop repeat. Look for the RPT icon on the radio display when this function is active.

ERROR MESSAGES
If an "UNSUPPORTED" message is displayed, it could be for one of the following reasons:
• The iPod connected is not supported. See page 9 for the iPod models supported.
• The iPod does not respond to the radio commands, in this case reset the iPod and try the connection again.

If a "NO MUSIC" message is displayed, it could be for the following reason:
• There are not playable files on the iPod.

USB (IF SUPPORTED)
PLAYING FROM A USB
A USB storage device can be connected to the USB port. The USB port is located on the front of the radio.

Five volts DC power is limited to 2.1 amp from this port. Some models are limited to 1 amp.

USB MP3 PLAYER AND USB

DRIVES
Any USB MP3 player or USB drive connected to the radio must comply with the following USB storage specifications:

• MS-Dos partition only.
• Class specification (USB MSC) and supports formats of FAT32, FAT16, NTFS, and HFS+.
• Hard disk drives may be played, but they are not supported.
• The radio will not be able to playback write-protected music.
• MTP players are not supported.
• USB 3.0 devices are supported however cannot be guaranteed for media playback (unless backwards compatibility is supported by device).

The following guidelines must be met when creating MP3 files; otherwise the files might not play:

FOR MP3 FILES
- **Bit rates:** 32, 40, 48, 56, 64, 80, 96, 112, 124, 160, 192, 224, 256, 320 kbps for MPEG-1 Audio Layer 3.
- **Sampling frequencies:** 32, 44.1 and 48 kHz for MPEG-1 Audio Layer 3.
- Maximum number of folders: Eight folders with 255 files per folder.
- M3u and pls playlist versions supported.

FOR UNPROTECTED WMA FILES
- **Versions:** 1, 2, 7, 8, 9 and 9.1.
- **Bit rates:** 32 - 320 kbps.
- **Sampling frequencies:** 32 - 48 kHz.

PLAYING USB DEVICE
1.) Connect a USB device and it begins to play.
2.) While the radio plays from the USB device, music info (track number, song, artist, elapsed time and album name, if available) will be displayed on the screen.
3.) While the USB device is building the media browse list, media playback is limited to the first song available on the connected USB source. Pressing PREV or NEXT during the browse list update will restart playback of current song.

FRONT AUXILIARY
In 'Front Auxiliary' mode, you can play an external device such as an iPod or MP3 player via the auxiliary input jack on the front of the radio.

To use an external device simply connect the device via the auxiliary input jack.

'Front Auxiliary' mode will not be available if no device is connected to the auxiliary input jack on the front of the radio.

REAR AUXILIARY
In 'Rear Auxiliary' mode, you can play an external device that you have connected via the radio's rear power auxiliary input lines.

To use an external device simply connect the device via the auxiliary input jack and select it using the SRC button.

NOTE: Rear Auxiliary source will be available even when no device is attached to the rear input or current application.

BLUETOOTH (IF SUPPORTED)
The radio can connect to a Bluetooth (BT) device. To use this functionality your device requires Bluetooth and to be paired and connected to the radio.

You can connect up to ten BT devices to the radio; the radio will connect to the first available paired device, starting from the last paired/connected device.

The BT Menu is available when the Phone button is pressed. To navigate through this Menu, rotate the Volume Knob.

The BT Menu consists of the following options: BT ENABLE, CONNECT PHONE, DISCONNECT PH, ADD PHONE, DELETE PHONE and BT PROFILES (some options are only available when a device has been paired previously).

ENABLING/DISABLING BLUETOOTH
To enable or disable Bluetooth in your radio (if it is not already activated):
- Press the Phone button while the radio is ON. The Bluetooth Menu will be shown.
- Rotate the Volume Knob until the display shows: "BT DISABLE" or "BT ENABLE".
- Press the Volume Knob to select to enable or disable the Bluetooth.

When BT devices were previously paired the Phone icon will be active and the Arrow icons will blink until the reconnection of the previously paired phone is attempted (each phone reconnection will be attempted 3 times).

PAIRING A BLUETOOTH DEVICE

To complete pairing a BT device to the radio the following steps must be followed:

'Enable Bluetooth' on the radio and on your BT device. Refer to your device's user guide for more information.

Pair a BT device to the radio:
• Press the Phone button. The Bluetooth Menu will be shown.
• Rotate the Volume Knob until the display shows: ADD PHONE.
• Press the Volume Knob to confirm the action. The radio will display ADDING PH for 3 seconds. In this discoverable mode, the Bluetooth status icon will blink for up to 3 minutes. If no phone was found, the radio will display NO PH FOUND and the Phone and Arrows icons will be disabled.
• During the discoverable mode set your cellular phone to add a Bluetooth device and look for the name "DEA700."

Follow the instructions on your phone to add a BT connection. When necessary, use the 4-digit PIN '0000' to connect to the radio.

When the cellular phone has been successfully added, the radio will display PH CONNECTED and then the Bluetooth device's name. The Phone icon will be active on the display, and the Arrows icon will be disabled.

When the radio connects, the Bluetooth icon will blink. The blinking icon signifies that the radio is attempting to download the cellular phone's CONTACTS (for the DIAL CONTACTS function). The icon will cease to blink if all

contacts have been downloaded or if the radio times out from receiving contacts from the cellular phone. See your phone's user guide for information. See Notes 1, 2 and 4 in this manual.

NOTE: While in pairing mode, changing the 'source' will cancel this process. The source can be changed from the SRC button on the radio or from external controls (steering wheel or rear seat audio control).

CONNECTING A BLUETOOTH DEVICE

If your BT device was previously paired, you can connect the device to the radio easily:
• Press the Phone button. The Bluetooth Menu will be shown.
• Rotate the Volume Knob until the display shows CONNECT PH.
• Press the Volume Knob to confirm the action.
• Select the desired BT device (rotate the Volume Knob to locate device name and confirm selection by pressing in the Volume Knob). The radio will show CONNECTING for 3 seconds.
• When the radio connects the BT device, the radio will display PH CONNECTED and the name of the device, the Bluetooth icon will blink. The blinking BT icon signifies that the radio is attempting to download the device's (cellular phone) CONTACTS (for the DIAL CONTACTS function). The icon will cease to blink if all contacts have been downloaded or if the radio times out from receiving contacts from the cellular phone. The Phone icon will be active on the radio display.

DUAL PHONES

This feature gives you the ability to have two connected Bluetooth devices paired to the radio at the same time; one as a phone and another as the Bluetooth media device. In order to use this feature the two BT devices must be in range of the radio to be paired. Use 'Manual' selection of the BT devices in the Phone Menu to connect the desired phone on the proper profile (Phone or Audio).

DISCONNECTING A BLUETOOTH DEVICE

If your BT device is currently connected and you need to disconnect it from the radio, follow the next actions:

1.) Press the Phone button.
The Bluetooth Menu will be shown.
2.) Rotate the Volume Knob until the display shows DISCONNECT PH.
3.) Press the Volume Knob to confirm the action. The radio will show DISCONNECT PH for a short time. Once the phone is disconnected the radio will display DISCONNECTED and then the Bluetooth device name. The Phone icon will be inactive.

DELETING ONE OR ALL BLUETOOTH DEVICES

To delete from the radio one or all BT devices previously paired:

• Press the Phone button. The Bluetooth Menu will be shown
• Rotate the Volume Knob until the display shows DELETE PH.
• Press the Volume Knob to enter the submenu. The radio will show a list of BT device names, scroll through by rotating the Volume Knob.
• Select the BT device to be deleted or select DELETE ALL to erase all the paired BT devices in the list by pressing the Volume Knob. The radio will show PH DELETED.

VOICE RECOGNITION (IF SUPPORTED)

If a BT device supports voice recognition, an option is made visible in the Bluetooth Menu to allow you to activate.
In order to use voice recognition it is necessary to ensure the option is active in the connected Bluetooth device.
While attempting to use voice recognition there can be a delay of 1 - 2 seconds to start the session due to device delay.

NOTE: Android device behavior is different from Apple in how the voice recognition status is reported; this can result in the option present

in the Phone Menu, however it might not function when selected.

HANDS FREE / BLUETOOTH FEATURES

Once your BT device is properly paired (See Paring a Bluetooth Device) and connected (See Connecting a Bluetooth Device), the radio supports the following Hands-Free features if the connected BT device has that capability.

DIAL MENU

The radio can retrieve the last calls and contact information from the device (Hands-Free profile must be available in the BT device and in some cases the action must be accepted by you).

The Dial Menu is accessed when the BT device is not being used for a phone call and the Phone button is long pressed.

DIAL REDIAL

You can retrieve the last phone number called and place a call to that phone number. Press and hold the Phone hard key and select DIAL REDIAL to initiate call.

FAVORITES

The radio is capable of storing six phone numbers. To save a phone number, you can select your contacts using either the DIAL CONTACTS feature or the LAST CALLS feature. When the desired contact's phone number is displayed, press the Volume Knob and select the option ADD TO FAV, then the phone number will be saved in your 'Favorites List.'

To dial a saved phone number in your 'Favorites List,' select FAVORITES from the Dial Menu and rotate the Volume Knob to select the number. Press the Volume Knob and select DIAL to place the call to the saved phone number.

To delete numbers simply repeat the last process with the desired phone number and select DEL FAV.

DIAL CONTACT

The radio is able to read and display cell phone contacts. Press the Phone button to show the DIAL MENU and rotate the Volume Knob until DIAL CONTACTS is shown, press the Volume Knob to select this feature. Rotate the Volume Knob to select between the different stored contacts (up to 500 numbers from the phone and 250 contacts from the SIM). Press the OK button if you want to dial to the listed contact.

The radio will download the following phone numbers for each contact (if available): HOME, WORK, MOBILE, OTHER and PREFERRED. Within the Dial Menu they will be displayed as either: H, W, M, O or P plus the 10-digit number (XXXXXXXXXX).
When the transfer is successful, the radio will show the DIAL CONTACTS submenu. Each time the radio connects to your phone, the DIAL CONTACTS submenu is updated, so you may need to repeat this manual operation as needed.

LAST CALLS

The radio is capable of listing the last ten calls (DIALED, RECEIVED AND MISSED). Rotating the Volume Knob will navigate you through the selected call list. Press the OK button to place the call. See Note 1 in this manual.

CALL OPTIONS

The following options are available during a Hands-Free call.

ACCEPTING A CALL

When an incoming call is received, the radio will play the in-band ringtone if the device supports this feature, otherwise a default ringtone will be played, you can adjust the Volume of the ringtone, while the ringtone is played. Any volume lower than 13, will not be considered for the next incoming call. Volume above 13 will be stored for the next call. When an incoming call is received, the radio will

display the name (if available) and number of the caller. To accept the call, press any of the following radio buttons: Phone, Volume Knob or NEXT.

REJECTING A CALL

When an incoming call is received, the radio will display the name (if available) and number of the caller. To reject the call, you can press any of the following buttons: ESC or PREV.

ENDING A CALL

When a Hands-Free call is in progress, the radio will display the caller's number and the elapsed time. To end a call, press any of the following radio buttons: Phone, ESC or PREV.

MICROPHONE MUTE

When a Hands-Free call is in progress, pressing Pause/Play (Preset 2) will mute the radio's microphone. Press again to deactivate mute.

CALL TRANSFER

If a call is in progress, press the radio Phone button for more than 3 seconds to transfer the call to the cellular phone for private conversations. Repeat this process if you want to return to Hands-Free mode again.
See Note 6 in this manual.

BT AUDIO

BLUETOOTH PLAYER

If your connected BT device supports this feature, it can be used as an Audio source input to the radio, allowing you to enjoy the music files stored on your phone. This feature is recommended to be used with the device default player. Functionality cannot be warranted, when a third-party player is used in the connected device. The radio can be out of synchrony if you alter or command the player within the phone. To access music files on your phone, press the SRC button and select BT AUDIO. In BT AUDIO you can use the following radio buttons: Play, Pause, NEXT,

PREV, F/F and F/R, Repeat and Random, if the device supports them. See Notes 1 & 3 below.

PLAY / PAUSE
Press to play the current track. Press again to pause the audio. See Note 5 below.

PREV (PREVIOUS)
Press to seek to the beginning of the current or previous track. If the track has been playing for less than ten seconds, it seeks to the previous track. If longer than ten seconds, the current track starts from the beginning.

NEXT (NEXT)
Press to seek to the next track.

FF/FR (FAST FORWARD/FAST REVERSE)
To fast forward or reverse through a track, press and hold NEXT or PREV button.

RDM (RANDOM)
Press to play the tracks in a random shuffle. Press again to stop random mode. RDM icon will be turned ON or OFF when the feature is enabled or disabled.

RPT (REPEAT)
Press 'RPT' to repeat the current track. Press again to stop. RPT icon will be turned ON or OFF when the feature is enabled or disabled.

Note 1: This function will only be shown if the cellular phone supports this feature.
Note 2: The contacts shown on the radio display will depend on the information received by the radio from the cellular phone used.
Note 3: **Function may differ depending on the cellular phone.**
Note 4: Some cellular phones may require enabling this feature through their own applications. Please consult your cellular phone user's guide regarding how to enable it.
Note 5: Some cellular phones will cause the radio to display BT AUDIO PAUSE while audio

is available. This is normal on cellular phones that do not have full compatibility with the radio's Bluetooth remote control commands.
Note 6: Some Bluetooth devices will disconnect Bluetooth when a transfer is performed.

AUDIO PROFILE VERSION SUPPORTED
The DEA7XX shall support **AVRCP 1.5**.

BLUETOOTH LINKLOSS
If connected a BT device is outside of the radio's range (10 m or 33 ft) the device will disconnect from system. Device reconnection will occur when the device is back in range of radio.

BLUETOOTH RECONNECTION
Upon first starting the vehicle, the previously connected cellular phone (favorite) shall be reconnected on both the Phone and Bluetooth Audio profiles.

RADIO SYSTEM SETTINGS
The radio contains several Menus for setting adjustments. These Menus are shown in a scrolling list when the Volume Knob is pressed for more than two seconds. These Menus are available in all radio Source (SRC) modes:
- AUDIO CONTROLS
- SPEAKERS
- SPEED DEP VOL (ONLY When Applicable)
- CLOCK SETUP
- ALARM SETUP
- DIMMING
- HUE ADJUST
- REFRESH LIST (DAB Radios ONLY)
- RADIO SETUP (DAB Radios ONLY)
    [*submenus*]
    - REGIONAL
    - TRAFFIC ANNCM (Announcements)
    - DAB ANNCMNTS (announcements)
    - DAB ANNCMNTS CAT (Categories)
    - ALT FRQ (Alternative Frequencies)
- DAB STATION LIST (DAB Radios ONLY)

Additional Menus for setting adjustments are

available when the radio is in AM/FM /LW source (SRC) mode and (if supported) when the radio is in SXM source (SRC) mode.

Additional setting adjustment Menus when radio is in AM/FM/WX/LW Source (SRC) Mode:
- SEEK SENSITIVITY
- TUNE CONFIG

Additional setting adjustment Menus when radio is in SXM Source (SRC) Mode (if supported):
- CAT E/D (Category Enable/Disable)
- TUNE START

All of the setting adjustment Menus are defined in the following sections of this manual.

AUDIO CONTROLS
Press the Volume Knob for more than two seconds to access the Audio Controls Menu from the scrolling list of setting adjustments Menus. Press the Volume Knob again to enter the Audio Controls Menu.

In the Audio Controls Menu you can adjust the auto EQ, bass, middle, treble, fade, and balance by rotating the Volume Knob until the desired submenu is displayed. Press the Volume Knob to select a submenu.

AUTO EQ: The display will show the current selected EQ option. Rotate the Volume Knob clockwise and counterclockwise to cycle through Auto EQ options from 1 to 7. Select option, press the Volume Knob to set. Options are:

1.) CLASSIC
2.) MANUAL
3.) POP
4.) ROCK
5.) COUNTRY
6.) NEWS
7.) JAZZ

BASS: The display will show BASS and its current level from -6 to +6. Rotate the Volume Knob clockwise to increase the bass and counterclockwise to decrease it. Press the Volume Knob to set.

MIDDLE: The display will show MIDDLE and its current level from -6 to +6. Rotate the Volume Knob clockwise to increase the middle and counterclockwise to decrease it. Press the Volume Knob to set.

TREBLE: The display will show TREBLE and its current level from -6 to +6. Rotate the Volume Knob clockwise to increase the treble and counterclockwise to decrease it. Press the Volume Knob to set.

FADE: The display will show FADE and its current level from L15 to R15. Rotate the Volume Knob clockwise move the sound to the front speakers and counterclockwise to move the sound to the rear speakers. Press the Volume Knob to set. **NOTE:** Fade is not available in 2-speaker mode.

BALANCE: The display will show BALANCE and its current level from L15 to R15. Rotate the Volume Knob clockwise move the sound to the right speakers and counterclockwise to move the sound to the left speakers. Press the Volume Knob to set.

SPEAKERS (IF SUPPORTED)
Press the Volume Knob for more than two seconds to access the Speakers Menu from the scrolling list of setting adjustments Menus. Press the Volume Knob again to enter the Speakers submenu. The display will show SPEAKERS and the current selected option. The submenu allows you to change the speakers between 2 and 4 Channels. Rotate the Volume Knob to change between 2CH or 4CH and press the Volume Knob to set.

SPEED DEPENDENT VOLUME (SPEED DEP VOL) (ONLY IF APPLICABLE)

Press the Volume Knob for more than two seconds to access the SPEED DEP VOL (Speed Dependent Volume) Menu (only if applicable) from the scrolling list of setting adjustments Menus. Press the Volume Knob again to enter the SPEED DEP VOL Menu. Speed dependent volume control adjusts your audio system's sound output to the current speed of your vehicle. Submenu options are OFF, LOW, MID and HIGH. Press the Volume Knob to set.

CLOCK SETUP

To adjust the time on the radio, press the Volume Knob for more than two seconds. Rotate the Volume Knob to select CLOCK SETUP from the scrolling list and press the Volume Knob to show the submenus: FORMAT, SET TIME and CLOCK VISIBLE. Rotate the Volume Knob to select the desired submenu and press the Volume Knob to confirm.

> **FORMAT**: Select 12-hour or 24-hour format by rotating the Volume Knob and pressing it to confirm.
> **SET TIME:** The hour digits will begin to blink. The format will be the same as the current clock selection (12- or 24-hour format). Change the hour by rotating the Volume Knob and confirm the hour by pressing the Volume Knob. Then the minute digits will begin to blink, change and confirm your selection by pressing the Volume Knob.
> **CLOCK VISIBLE**: Select YES or NO by rotating the Volume Knob to select whether or not the clock is visible on the display of the radio, press the Volume Knob to confirm.

ALARM SETUP

To set the alarm, press the Volume Knob for more than 2 seconds to select the ALARM SETUP from the scrolling list and press the Volume Knob to enter the Alarm Setup Menu.

Once in the Alarm Setup Menu, change the ALARM ON or OFF by rotating the Volume Knob and pressing it to confirm your selection. When you select ALARM ON, the Alarm icon will be set to ON and the following configuration options will be shown:

> **SET TONE OR SET MUSIC:** Change between SET TONE or SET MUSIC by rotating the Volume Knob and pressing it to conform your selection.
> **VOLUME:** When TONE is selected, the volume can be changed between LOW, MID and HIGH by rotating the Volume Knob and pressing it to confirm your selection. (no sound will be heard while setting up the tone volume). When MUSIC is selected, you can adjust the volume from 0 to 30 by rotating the Volume Knob and pressing it to confirm your selection.
> **TURNING THE ALARM OFF:** When the alarm is triggered, to cancel the alarm, short press the ESC button. If you do not turn the alarm off, it will automatically shut off after 15 minutes and enter a 'snooze' cycle for nine minutes then sound again. This cycle will repeat three times if you do not turn off the alarm each time it is triggered. 63 minutes in total (15 minute sound cycle; 9 minute snooze cycle; 15 minute sound cycle; 9 minute snooze cycle; 15 minute sounding cycle).
> **ACTIVATING SNOOZE:** To 'snooze' the alarm, press any button (except the ESC button) for less than 2 seconds when the alarm sounds. SNOOZE will appear for three seconds and the alarm will be postponed for nine minutes before sounding again.

NOTE: If the ALARM SETUP Menu is accessed after making a change to the clock time format without first exiting the setting adjustments Menus, the alarm time format will not be accurately reflected. Exit setting adjustments Menus after making time format changes then re-enter the ALARM SETUP Menu to prevent improper time entries.

DIMMING

Press the Volume Knob for more than two seconds to access the DIMMING Menu from the scrolling list of setting adjustments Menus. Press the Volume Knob again to enter the Dimming Menu. When the vehicle uses dimming by CAN or analog configuration, the display will show DIMMING 0. This value can be adjusted from -10 to +10. If the vehicle does not use dimming by CAN or analog configuration, the display will show DIMMING and the current selected level from 0 to 30. Rotate the Volume Knob clockwise to increase the dimming and counterclockwise to decrease the dimming. Press the Volume Knob to confirm your dimming level selection.

HUE ADJUST (IF SUPPORTED)

Press the Volume Knob for more than two seconds to access the HUE ADJUST Menu from the scrolling list of setting adjustments Menus. Press to select the available display lighting color options in the submenu. Select your color choice and press the Volume Knob to set.

REFRESH LIST (DAB RADIOS ONLY)

Press the Volume Knob for more than two seconds to access the REFRESH LIST Menu from the scrolling list of setting adjustments Menus. Press the Volume Knob again to activate the Refresh List function.

RADIO SETUP (DAB RADIOS ONLY)

Press the Volume Knob for more than two seconds to select the RADIO SETUP Menu from the scrolling list of setting adjustments Menus. Once selected, press the Volume Knob to show the submenus: REGIONAL, TRAFFIC ANNCM, DAB ANNCMNTS, DAB ANNCMNTS CAT, and ALT FRQ.

REGIONAL: The display will show ON or OFF depending on the current selection. Rotate the Volume Knob to change between the two options and press the Volume Knob to confirm the selection. (DAB radios only)

TRAFFIC ANNCM:
'Traffic Announcements (TA)' The display will show ON or OFF depending on the current selection. Rotate the Volume Knob to change between the two options and press the Volume Knob to confirm the selection. If TA is enabled the radio to show an icon in the display. (DAB radios only)

DAB ANNCMNTS: 'DAB Announcements' The display will show ON or OFF depending on the current selection. Rotate the Volume Knob to change between the two options and press the Volume Knob to confirm your selection. (DAB radios only)

DAB ANNCMNTS CAT:
'DAB Announcement Categories' The display will show you the announcement categories available and the current selection. Rotate the Volume Knob to scroll through the available options:

- WEATHER   • EVENT
- FINANCE   • NEWS
- RAD INFO   • SPECIAL
- SPORTS   • TRAVEL
- WARNING

Select the category you would like to receive alerts from and press the Volume Knob to confirm your selection. (DAB radios only)

ALT FRQ: Alternative Frequencies (AF) The display will show ON or OFF depending on the current selection. Rotate the Volume Knob to change between the two options and press the Volume Knob to confirm the selection. If AF is enabled the radio to show an icon in the display. (DAB radios only)

DAB STATION LIST (DAB RADIOS ONLY)

Press the Volume Knob for more than two seconds to access the DAB CHANNEL LIST Menu. Rotating the Volume Knob will allow you to scroll through all the available DAB channels. This menu is for visibility to available stations only, no setting selections are offered. (DAB radios only)

Additional setting adjustment Menus when radio is in AM/FM/LW Source (SRC) Mode:

SEEK SENSITIVITY (SEEK SEN)

Press the Volume Knob for more than two seconds to access the SEEK SENSITIVITY Menu. The display will show the current level from -6 to +6. Rotate the Volume Knob clockwise to increase the sensitivity value and counterclockwise to decrease it. Press the Volume Knob to select the desired option. This Menu is only available when radio is playing in Tuner Mode.

TUNE CONFIGURATION (TUNE CONFIG)

Press the Volume Knob for more than two seconds to access the TUNE CONFIG Menu. The display will show TUNE and the current selected option Auto or Manual. Rotate the Volume Knob to change between AUTO and MANUAL, press the Volume Knob to select the desired option. This Menu is only available when radio is playing in Tuner Mode.

Additional setting adjustment Menus when radio is in SXM Source (SRC) Mode (if supported):

CATEGORY ENABLE/DISABLE (CAT E/D)

Press the Volume Knob for more than two seconds to access the CAT E/D Menu. The display will show CAT ENABLE or CAT DISABLE depending on the current selection. Rotate the Volume Knob to change between the two options, press to confirm your selection. This Menu is only available in SXM Mode.

TUNE START

Press the Volume Knob for more than two seconds to access the TUNE START Menu. The display will show ENABLE or DISABLE depending on the current selection. Rotate the Volume Knob to change between the two options, press to confirm your selection. This Menu is only available in SXM Mode.

AUDIO PLAYERS

MUSIC NAVIGATION USB

Press the magnifying glass (preset 1) button while USB Source (SRC) is active to access the USB Music Menu.

Use the Volume Knob, NEXT or PREV button to navigate through the different options.

Special Considerations

Root Directory

The root directory is treated as a folder. All files contained directly under the root directory are accessed prior to any root directory folders.

Empty Folders

If a root directory or folder is empty or contains only folders, the player advances to the next folder in the file structure that contains a compressed audio file. The empty folder(s) are not displayed or numbered.

OPTIONAL EQUIPMENT

Fuse

The radio's fuse is located in the fuse box of the vehicle. The optimal fuse values are between 10A and 15A.

Clock Back-Up (If Supported)

The radio will be able to keep the clock running when the vehicle's battery is disconnected for at least 30 days.

TIPS AND TROUBLESHOOTING CHART

RADIO

Unable to tune stations
You are in a weak signal area.
  • Increase the Seek Sensitivity (see Seek Sensitivity section for details).

IPOD

iPod does not play or there is no sound
The iPod has not been recognized.

- Verify that the iPod is supported.
- If the iPod is supported, reset the iPod and re-connect again (see iPod section for details).

iPod not functioning

- Out of the operation range, Operation temperature of the iPod player is -20° to 85°C (-4°F to 185).
- Allow the vehicle´s interior temperature to be in supportable range.
- The Apple interface cable may be damaged or a non-authentic Apple product therefore unsupported.
- While using a device with a charging case, charging or media playback cannot be guaranteed.

BLUETOOTH

My radio doesn't recognize my Bluetooth enabled device.

Try one of the following actions:

1. Remove the device, then reconnect and pair the device. Refer to DELETE ONE OR DELETE ALL DEVICES and to Pairing a Bluetooth Device and Connecting a Bluetooth Device sections.
2. Make sure the device is turned on.
3. Make sure Bluetooth on your radio is enabled, refer to Bluetooth Enabling/Disabling section.
4. The device might be out of range. Try moving it closer.

The BT device and radio can't communicate.

Try one of the following actions:

1. Make sure that you selected the correct BT device to be connected. For example, you might have two or more devices previously paired or connected, so make sure you selected the right device.
2. Some devices require a passkey before they can be connected to the radio.
3. Possibly an incorrect passkey was typed or the time limit expired for typing the passkey. Refer to Connecting a Device section.

4. If the BT device is close to other devices that use radio frequencies (such as microwave ovens, cordless phones, remote controls for electronics or lighting, or 802.11 wireless networks), those devices might be creating interference. Try moving the BT device that isn't working farther away from the other devices using radio frequencies.

Bluetooth device music cannot be heard.

1. Verify BT device is paired and connected. Refer to sections: Pairing a Bluetooth Device and Connecting a BT Device.
2. Make sure BT AUDIO SRC is selected in the source list menu. Refer to SRC (Source Power) button section.
3. Adjust the Volume on the radio by rotating the Volume Knob.
4. Verify that your BT device is not paused.
5. Make sure your BT device has music files.
6. In the event you have connected a phone to aux, the device controls the audio behavior so this may require disconnection of AUX from the device to recover audio.

REAR SEAT AUDIO (RSA) (If Supported)
The RSA shows no link.

The radio requires up to 15 seconds to wake up, so if you wake up the radio using the RSA and the radio is in sleep mode, the RSA will show "no-link" while the radio starts. The communication shall be reestablished after this time lapse expires.

TRADEMARKS AND LICENSE AGREEMENTS

Made for
 iPhone | iPod

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone and has been certified by the developer to meet Apple performance standards.

iPod and iPhone are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.

"SiriusXM" means that the radio has been designed and certified to meet all the SiriusXM standards.

SiriusXM is a trademark of SiriusXM Company registered in the U.S.

"DAB" means the radio has been designed to support digital audio broadcasting, which provides an enhanced sound fidelity, improved reception and new data services.

FCC INFORMATION
Radio is complaint with Part 15 of the Federal Communications Commission (FCC) rules and with Industry Canada Standards RSS-GEN/210/220/310.

BLUETOOTH
The Bluetooth® word mark and logos are owned by the Bluetooth® SIG, Inc. and any use of such marks by this radio is under license.

PRECAUTIONS

Product Cleaning
Use a soft dry cloth for periodic cleaning. For more severe stains, please dampen the cloth with water only. Anything else might affect the appearance or damage the lens or plastics.

Bluetooth Distraction
When using a cellular phone, it can be distracting to look too long or too often at the screen of the phone or the radio display. Taking your eyes off the road too long or too often could cause a crash resulting in injury or death. Focus your attention on driving.

CONFORMITY ASSESSMENT ISSUES

FCC / IC REGULATORY NOTICE

Modification Statement
Aptiv Electronics & Safety has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Aptiv Electronics & Satey n'approuve aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature. Tout changement ou modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

Interference Statement
This device complies with Part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.