BT35-TOY

OWNER'S MANUAL

USA·SPEC

BLUETOOTH PHONE & MUSIC INTERFACE

TECH SUPPORT (626) 336-3836
Monday - Friday   9AM - 4PM PST

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Thank you for purchasing USA SPEC's Bluetooth integration interface. This manual describes the functions and operations of the BT35 Bluetooth interface for Toyota and Lexus vehicles.

CAUTION!!!

Please read this manual before using the BT35 interface. Failure to follow instructions may result in malfunction of the unit or injury.

- Do not open, dissemble, or alter the BT35 in any way
- Do not expose the BT35 to extreme temperatures, humidity, or shock
- Do not install the BT35 in locations that may hinder vehicle operation or that may harm others
- Do not expose the BT35 to fluids
- Do not operate the BT35 while driving. Always give full attention to the road when driving.
- Keep away from children. The BT35 contains small items that may be a choking hazard.
- It is highly recommended that the BT35 be installed by a professional.

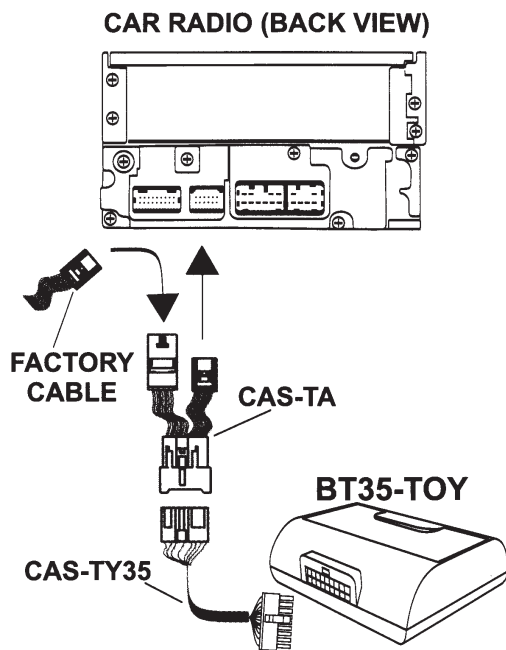# WARNING

BT35 Package Contents

- 1 BT35 Interface Adaptor
- 1 CAS-TY35 Cable
- 1 CAS-TA Cable
- 1 Owner's Manual
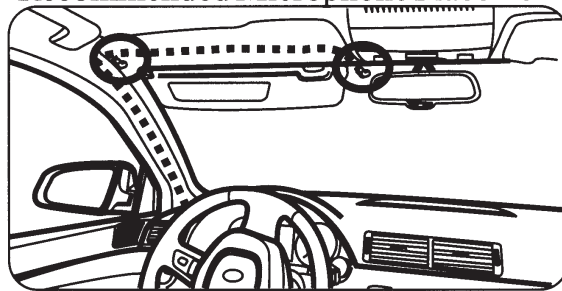- 1 MIC35 Microphone

Installation

It is recommended that the unit be installed by qualified professionals. When installing the BT35, beware of sharp edges and exercise caution when removing panels and trim as they may break. Please review the manual while installing and pairing the BT35 to ensure that it functions properly.

Cable Connection

1. Set DIP switches according to the charts on Page 4 & 5.
2. **Remove all CDs from the in-dash CD player/changer before disconnecting the radio.**
3. Carefully remove the radio from the dashboard.
4. Remove the factory 12 pin male connector and plug the CAS-TA to the back of the radio. (For older model vehicles plug the CAS-TY35 directly into the radio and skip to step 7)
5. Connect the factory 12 pin male connector you removed from the radio to the CAS-TA.
6. Connect the CAS-TY35 to the CAS-TA.
7. Connect the CAS-TY35 cable to the BT35 in the box labeled "RADIO".
8. Connect MIC35 to the BT35.

CAR RADIO (BACK VIEW)

FACTORY CABLE
CAS-TA
BT35-TOY
CAS-TY35

Recommended Microphone Placement

9. Turn on the radio and test to see if your Bluetooth device works with the radio. (Refer to the Pairing Section on Page 6)
10. Install the BT35 into an easily accessible area.

DIP SWITCH SETTING FOR TOYOTA RADIOS
Default settings for all Toyota radios: DIPs 2/3/4 OFF
(Please read notes)

Make	Model	Year	NOTE	Radio button to use
TOYOTA	4 Runner	98 - 11	(1)(2)(4)	CD/DISC
	Avalon	98 - 10	(1)	CD/DISC
	Camry	98 - 11	(3)	CD/DISC
	Celica	98 - 06	(1)	CD/DISC
	Corolla / Echo	98 - 11	(3)	CD/DISC
	FJ Cruiser	07 - 11		CD/DISC
	Highlander	01 - 11	(1)(4)	CD/DISC
	Land Cruiser	02 - 09	(1)(5)	CD/DISC
	Matrix	05 - 11		CD/DISC
	Prius	04 - 11	(1)	CD/DISC
	Rav 4	98 - 11		CD/DISC
	Sequoia	02 - 12	(1)(4)	CD/DISC
	Sienna	98 - 11	(1)(3)(4)	CD/DISC
	Solara	98 - 10	(1)(2)	CD/DISC
	Tacoma	98 - 12	(1)(2)	CD/DISC
	Tundra	98 - 12	(1)(2)(4)	CD/DISC
	Venza	09 - 11	(1)	CD/DISC
	Yaris	07 - 11	(2)	CD/DISC
Scion	xA, xB	04 - 10		CD/DISC
	tC. xD	05 - 10		CD/DISC

NOTE (1): The default setting may conflict with this radio. Use the **BT35-TOY DIP Switch Setting Chart** to emulate different modes. See chart below. **Do not use the SAT setting if there is an XM tuner in the vehicle.**

NOTE (2): Delphi Radios will not display Caller`s ID. Set DIP switches to emulate SAT for text display if there is no SAT tuner in the vehicle. See chart below.

NOTE (3): 98 - 02 vehicles may require adaptor cable CAS-TLC* to retain steering wheel control.

NOTE (4): Connect the BT35-TOY at the Electrical Control Unit (ECU) for the following vehicles with Rear Seat Entertainment:
4Runner 05 & older, Highlander 06 & older, and Sienna 05 & older,
The ECU is located in the passenger side rear quarter panel,
an 18 pin CAS-NIS_EXT* cable needed.
Tundra 06 & older and Sequoia 07 & older,
The ECU is located in the center console.

NOTE (5): 02-04 Land Cruiser requires adaptor cable CAS-TLC*

*CAS-TLC, CAS-NIS_EXT cables must be purchase separately

BT35-TOY DIP Switch Setting for TOYOTA

DIP switch				Emulated	Radio Button to Press
1	2	3	4		
N/A	OFF	OFF	OFF	CDC1	CD/DISC
N/A	OFF	ON	OFF	MD	CD/DISC
N/A	OFF	ON	ON	CDC2	CD/DISC
N/A	ON	ON	ON	SAT	AM/SAT

DIP SWITCH SETTING FOR LEXUS RADIOS

(Please read notes)

Make	Model	Year	NOTE	Radios	DIP Switch #2	DIP Switch #3	DIP Switch #4	Radio button to
LEXUS	ES 300/330/350/400H	02 - 03	(1)(3)	All Radios	OFF	ON	OFF	CD/DISC
		04 - 10	(1)	All Radios	OFF	OFF	OFF	CD/DISC
	GS 300/350/430/450H	05 - 09	(1)	All Radios	OFF	OFF	OFF	CD/DISC
	GX 470	04 - 06	(1)(4)	All Radios	OFF	ON	OFF	CD/DISC
		07 - 09	(1)	All Radios	OFF	OFF	OFF	CD/DISC
	IS 250/300/350	01 - 05	(1)(3)	All Radios	OFF	ON	OFF	CD/DISC
		06 - 09	(1)	All Radios	OFF	OFF	OFF	CD/DISC
	LS 430	01 - 06	(1) (3)	All Radios	OFF	ON	OFF	CD/DISC
	LS 460	07 - 09	(1)	All Radios	OFF	OFF	OFF	CD/DISC
	LX 470	02 - 08	(1) (3)	All Radios	OFF	ON	OFF	CD/DISC
	LX 570	2009	(1)	All Radios	OFF	OFF	OFF	CD/DISC
	RX 300/330/350/400H	00 - 03	(1)(2)	All Radios	OFF	ON	OFF	CD/DISC
		04 - 09	(1)(4)	All Radios	OFF	OFF	OFF	CD/DISC

NOTE (1): The default settings may conflict with this radio. **Use the BT35-TOY DIP Switch Setting Chart** to emulate different modes (See chart below). **Do not use SAT setting if there is an XM tuner in the vehicle.**

NOTE (2): 00-03 RX300 require CAS-TLC* adaptor cable. Vehicles must have external CD changer in the glove-box. Disconnect the CD changer and connect the CAS-TLC* cable and BT35-TOY in the glove-box.

NOTE (3): 01-03 Lexus requires adaptor cable CAS-LEX*.

NOTE (4): Connect BT35-TOY at the ECU for the following vehicles with Rear Seat Entertainment,
Lexus GX470/RX330 06 & older,
The ECU is in passenger side rear quarter panel and an 18 pin CAS-NIS_EXT cable is needed.

*CAS-TLC, CAS-LEX, CAS-NIS_EXT cables must be purchased separately

BT35-TOY DIP Switch Setting for LEXUS

DIP switch				Emulated	Radio Button to Press
1	2	3	4		
N/A	OFF	OFF	OFF	CDC1	CD/DISC
N/A	OFF	ON	OFF	MD	CD/DISC
N/A	OFF	ON	ON	CDC2	CD/DISC
N/A	ON	ON	ON	SAT	AM/SAT

Device Compatibility

Most Bluetooth devices (such as iPhone 3G/3GS/4/4S, iPod Touch 3rd/4th generations, and Android phones) are compatible with the BT35. However, USA SPEC does not guarantee that all Bluetooth devices are compatible. For a current list of compatible devices, please refer to our website www.usaspec.com

Pairing the Bluetooth Device

Steps to Pair Your Bluetooth Device

Step 1: After your BT35 has been properly installed into your vehicle, turn on the ignition and the radio.

Step 2: Select the CD or SAT button on your radio (this will depend on what DIP switch setting the BT35 is on). This will put the radio in Bluetooth mode and you should see either **Figure 1** or **Figure 2**. If you have a text button on your radio, you may have to push the text button a few times to get to this screen.
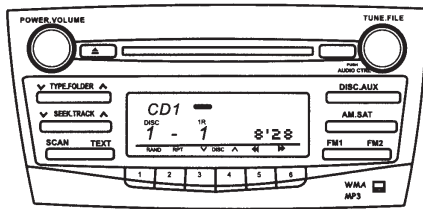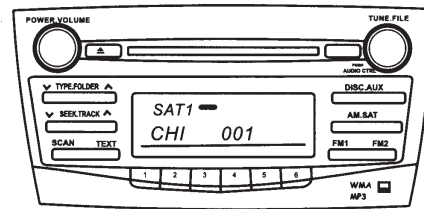

Figure 1   Figure 2

Step 3: Make sure your device's Bluetooth setting is turned "on" on your device and select "search for new devices". (Refer to your device's owner's manual). BT35 should show as one of the options.

Step 4: Select the BT35 to pair it with your device. If prompted to enter a code (some devices may not require you to do so), enter "0000". Pairing may take up to 20 sec. When you are connected, you will hear the voice prompt "*Connected*".

Once paired, the BT35 will automatically recognize and connect your Bluetooth device whenever you turn on your ignition.

Additional Pairing Information

• Some devices may require additional steps while pairing. Refer to your device's owner's manual.
• The BT35 can be paired with up to 8 devices, but will only connect to 1 device at a time.
• On some vehicles, the BT35 will automatically turn on your radio when you start the ignition in order to connect with your device.

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Hands-Free Phone Calls

Incoming and Outgoing Calls

When receiving or making a phone call the BT35 will mute your music and allow the phone call audio to come through your speakers; for incoming calls you will hear both your phone ring and hear a default ringtone through your speakers (the BT35 will only mimic some of your phone's ringtones).

Radio Behavior During Phone Calls

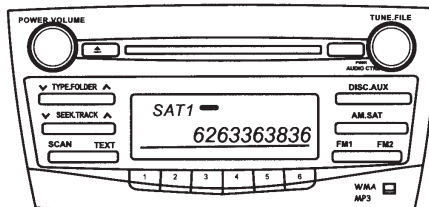| Current Radio Source	AM/FM/SAT CD CHANGER	Bluetooth Mode	Radio Off
Radio Reaction to Phone Calls	Mutes music from radio source source to allow phone call audio to come through the speakers. After call must manually change to original source.	Pauses current music. Resumes play after call.	Turns on radio in Bluetooth mode. Radio will remain on after call.

Caller ID Voice Announcement

The BT35 can announce the phone number of the incoming caller. While in Bluetooth mode, toggle the **SCAN** button to turn the voice announcement on/off.
*Only the phone number will be announced.
*If the caller has a private number, no announcement will be made.

Phone Number Text Display

Most radios that are equipped with a **TEXT** button, will allow you to see the phone number of the incoming call. Press the **TEXT** button to show the incoming caller.

Text Display Notes

- If your car does not support Text Display, the phone number will not appear.
- If the caller's phone number is blocked, no number will appear.
- **Some radios and phones may cause the radio to only display 8 or 9 digits of the incoming caller**
- Not all text-capable radios will display caller's phone number.

Call Control

Answering Calls SEEK ∧	To answer an incoming call simply push the SEEK(forward) button on your radio or steering wheel.
Ending/Rejecting Calls SEEK ∨	To end or reject an incoming call push the SEEK(back) button on your radio or steering wheel. If you reject a call, there will be a voice prompt *"Rejected"*. You will get a similar prompt if you end a call, *"Call ended"*
Outgoing Calls	To make an outgoing call, dial the number using your phone. After the call is dialed, you can use your radio/steering wheel controls to control the call. Please obey all traffic safety laws while using your device.

Streaming Audio

Music and More
With the BT35, you can play the audio from your Bluetooth device through your car speakers! Select the CD or SAT button and it will switch to Bluetooth mode for audio streaming. It can play music and audio from many applications on your device, including Pandora, SiriusXM Radio, You Tube, Netflix, and many more!

Bluetooth device must support **A2DP**. Please refer to your device's owner's manual for more information.

Music Selection from your Radio
Change songs with SEEK∧ button and SEEK∨ button on your radio or steering wheel controls.

Shuffle, repeat playlist, and repeat song commands will be controlled directly from your Bluetooth device. Please obey all traffic safety laws while using your device.

Bluetooth device must support **AVRCP**. Please refer to your device's owner's manual for more information.

Volume Controls

You can control the volume of your music and phone calls with the controls on your radio and/or Bluetooth device.

FAQ

My radio does not show Caller: ID	Not all radios support text display. Refer to your car's owner's manual.
The voice prompt does not work	Make sure you are in Bluetooth mode and push the SCAN button.
I can not change my songs with the SEEK Button	Make sure your Bluetooth device supports **AVRCP or restart your phone.**
Music does not play on my radio when I select it on my device	Make sure your Bluetooth device supports **A2DP.**
After my phone calls, the BT35 does not switch back to original source	Unless you are in Bluetooth mode, you must manually select the original source after a call.
My device does not connect when I turn on my car	Make sure your Bluetooth is turned on. Your device may be paired but not connected. Select the BT35 on your device to connect.
My music stopped playing	Music will stop playing once you have reached the last song on your current playlist, artist, album, etc. Select next playlist to resume play.
There is a distortion while playing music or during phone calls	Lower the volume with your Bluetooth device.

TROUBLESHOOTING

Many problems can be solved by taking any of the following steps:
- Unpair and pair your device with the BT35
- Turn your phone off and on or remove/reinstall your phone/device's battery
- If you have access to the BT35, unplug and reconnect the BT35
- Make sure all connections are secure and tight

For help with any additional issues, please call Technical Support at (626) 336-3836 or email us at <u>techsupport@usaspec.com</u>

LIMITED WARRANTY

Thank you for choosing a USA SPEC product. LTI Enterprises Inc., is committed to providing high quality defect-free products. All USA SPEC products are tested before leaving the factory and warranted against defects in materials and workmanship for a period of one year to the original owner. The one-year warranty period begins at the date of purchase from an authorized dealer. Please see installation registration below.

PRODUCTS COVERED:
Products and related accessories supplied by LTI Enterprises Inc. with the brand name of USA SPEC are covered by this warranty. Only products purchased in the USA are covered.

WARRANTY DOES NOT COVER:
1. Damage due to improper installation or operation, negligence, abuse, or not following instructions, warnings or acceptable industry procedures.
2. Damage caused during the shipment or transportation of the product. All claims of this nature must be presented to the carrier.
3. Damage caused by acts of God, war, or civil disturbance, including without limitation, flood, fire, storms, earthquake or other acts of nature.
4. Any expenses or cost to remove or reinstall products.
5. Any product without the original serial number and factory seal, or has been serviced or modified without the authorization of LTI Enterprises Inc.
6. Any product not distributed by an authorized LTI Enterprises Inc. Dealer.

TO OBTAIN WARRANTY SERVICE:
Contact the Customer Service center for assistance at (626) 336 - 3836. A detailed description of the problem(s) is required for service. Proof of purchase is also required when sending a product for warranty service. If the problem cannot be resolved and the product must be returned for service, you will receive an authorization form from the service center. The product must be delivered pre-paid to the service center. LTI Enterprises Inc., will, at our option, repair the product or replace it with a new or reconditioned product, and if it was shipped to the service center, the return shipping will be pre-paid free of charge provided the repairs are covered by the warranty. The product must be packed securely for shipment to the service center in order to preserve the warranty and prevent damage.

NO IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR USE APPLIES TO THIS PRODUCT AFTER THE ONE YEAR PERIOD AS DEFINED ABOVE, AND NO OTHER EXPRESSED WARRANTY OR GUARANTEE, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM, OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BIND THE WARRANTOR. NEITHER THE WARRANTOR NOR ANY OTHER PERSON, FIRM, OR CORPORATION IS RESPONSIBLE FOR LOSSES OR INCONVENIENCES, OR FOR ANY CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, AND SOME DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state, and province to province. Some of the limitations or exclusions may not apply to you.
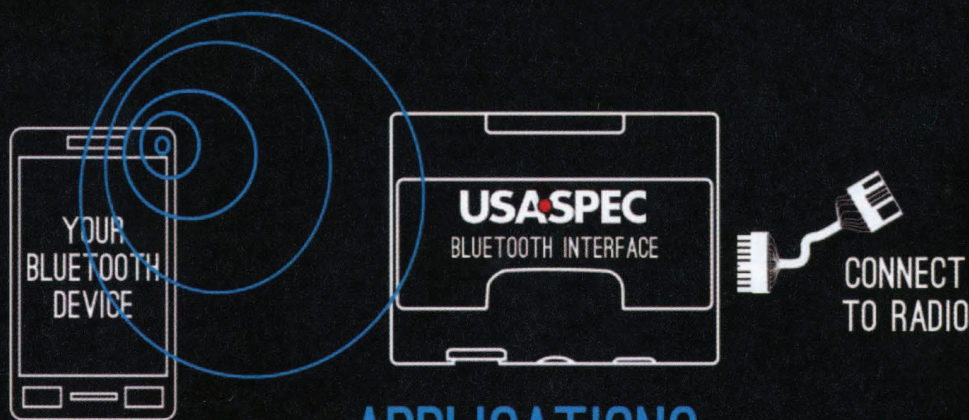
USA•SPEC

BT35-TOY

BLUETOOTH PHONE & MUSIC INTERFACE

A FEW OF THE GREAT FEATURES YOU'LL GET FROM THIS PLUG & PLAY UNIT...

- Works with both JBL and non JBL radios and plays audio on all speakers
- Auto switches radio on and to Bluetooth when there's an incoming call
- Supports audio streaming from A2DP compatible devices

WITH THE BT35-TOY YOU WILL BE ABLE TO...

- Answer/end calls using buttons on your radio or steering wheel
- Control Bluetooth audio streaming and volume from your radio/steering wheel
- View the caller's phone number on radios that support text display
- Hear phone numbers through our Voice Announcement feature

YOUR BLUETOOTH DEVICE

USA•SPEC BLUETOOTH INTERFACE

CONNECT TO RADIO

APPLICATIONS

TOYOTA

4RUNNER	98-11	PRIUS	04-11
AVALON	98-10	RAV4	98-11
CAMRY	98-11	SEQUOIA	02-12
CELICA	98-06	SIENNA	98-11
COROLLA/ECHO	98-11	SOLARA	98-10
FJ CRUISER	07-11	TACOMA	98-12
HIGHLANDER	01-11	TUNDRA	98-12
LAND CRUISER	02-09	VENZA	09-11
MATRIX	05-11	YARIS	07-11
SCION	xA, xB	04-10	
	tC, xD	05-10	

LEXUS

ES 300/330/350/400H	02-10
GS 300/350/430/450H	05-09
GX 470	04-09
IS 250/300/350	01-09
LS 430	01-06
LS 460	07-09
LX 470	02-08
LX 570	2009
RX 300/330/350/400H	00-09

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