USA·SPEC

PA20-TOY
iPod to Toyota / Lexus car stereo Interface
with song title display

MP3

FOLDER 8 FILE 1

FOLDER Adiemus

FOLDER   FILE Love

FOLDER

FILE

1 [Playlist]   4 [All Tracks]
2 [Artists]   5 [Direct]
3 [Albums]   6 [AUX]

SOUND   DETAIL

iPod

USA·SPEC
iPod INTERFACE

OWNER'S
MANUAL

Thank you for purchasing **USA·SPEC** product. This manual describes the functions and operation of PA20-TOY **iPod** interface for Toyota and Lexus cars. Please read this manual before installing the product to your vehicle.

!!IMPORTANT!!

❖ It is strongly recommended that the unit is installed in an accessible location, so that it can later be easily reset or upgraded.

❖ **Eject ALL CDs from the built-in CDP player or CD changer before installation or disconnect the power to radio!!!**

❖ **USA·SPEC** sells its products through authorized dealers so we can insure customers will receive proper services from the dealers. **USA·SPEC** reserves the right to offer technical support or warranty only on products purchased through authorized **USA·SPEC** accounts.

❖ It is strongly recommended that buy **USA·SPEC** product from sellers **who provide dedicated phone contact support. USA·SPEC** will not provie technical support or warranty for purchases made through any unauthorized internet sellers.

❖ **SAFETY NOTE:** You should always give full attention to driving. Do not operate **iPod** in such a way that distracts you while you are driving.

!!CAUTION!!

- In general, **iPod** has not been designed to withstand temperature extremes in automobiles. Please consult your **iPod** Owner's Manual regarding acceptable operation and storage temperatures.
- Do not disassemble or alter the cable and interface box.
- Make the connections correctly.
- Do not cut away the wire sheath or use the power for other equipments.
- Do not install in locations which might hinder vehicle operation or create hazards for vehicle occupants.
- Having the wiring and installation done by professionals.
- Arrange wiring so it is not crimped or pinched.
- Do not use this product for purposes other than stated for the vehicle.

Section 1. ABOUT YOUR INTERFACE PA20-TOY

This interface connects an **iPod** directly to your Toyota and Lexus audio system. Its on-board software translates commands from your Toyota and Lexus radios into commands that the **iPod** understands. This interface enables the **iPod** to take the place of a CD changer and provides the following benefits:

- Directs the **iPod**'s audio output to Toyota vehicle audio system for optimal sound quality playback.
- Controls the **iPod** via vehicle's radio and steering wheel controls.
- Charges the **iPod**'s internal battery, and charging stops automatically at one hour after **iPod** is paused. **iPod** goes to sleep mode when charging stops.

Compatibility

Future firmware updates for your **iPod** may affect the features and functions described in this owner's manual.

This interface is capable to co-exist with either in-dash CD changer or a Toyota slave CD changer in your car stereo system.

Package Contents

PA1-TOY contains one each of PA20-TOY interface adaptor, CAS-TYi, CAS-TA, and CB-PA100

Text Display of Song information

Artist name and song title can be displayed on radios equipped with a **"TEXT"** button or a **"TITLE"** touch key on navigation screen. Text display is supported in Hybrid Mode and Playlist Mode. Track search by artist, song title or album from radio is NOT supported.

Display Text information of Songs

1. *When works with a MP 3/ WMA compatible navigation radio :*
PA20-TOY displays **artist, album, playlist** and **all song** menu list on **Toyota and Lexus** navigation screen and therefore allows song title based track search with on-screen touch button This feature is not available on Toyota navigation screen if the car has a factory installed rcar scat cntertainment DVD system (RSE)

2. *When works with a non-MP3/ WMA compatible navigation radio :*
PA20-TOY displays song title and artist name on radio equipped with a **"TiTLE"** touch button on the navigation screen.

3. *When works with a radio has built-in CD changer or CD player :*
PA20-TOY displays song title and artist name on radio equipped with a **"TEXT"** button .

Note: Song text information display is supported in Hybrid Mode and Playlist Mode only regardless radio type.

Section 2. HYBRID MODE, DIRECT MODE and AUX OPTION

PA20-TOY provides three ways to control your **iPod** through the car radio, namely *Hybrid Mode Playlist Mode* and *Direct Mode.* Between Playlist Mode and Hybrid Mode, only one of them will be activated automatically by PA20-TOY depends on the model or type of **iPod**

2-1 *Direct Mode***:** Search and select music on **iPod** directly just as you would in portable use. The music will play back through your car stereo. Use the track up/down, fast forward, and reverse buttons on your radio to control music playback. DISC #8 is dedicated to Direct Mode use.Use your **iPod** in Direct Mode by selecting DISC #8 with disc up or button on radio. (except MP3 navigation radio, See section 5 - 1 for MP3 navigation radio.)

2-2 *Playlist Mode:*Operate and control the **iPod** like it is a CD changer. This mode allows you to access five playlists on **iPod** from radio. **iPod** screen always diaplay" OK to disconnect" or " Attached to accessory " and **iPod**'s keypad is not functional or locked. The insructions for Playlist naming and playback controls are in Section 5 of this manual.

2-3 *Hybird Mode:* Access Playlists on **iPod** in the same way as it is in Playlist Mode. Additionally, **iPod** screen is not locked and the keypads on **iPod** can be operated directly as if it were in *Direct Mode.*

2-3-1 If the playback of a Playlist is manually interrupted by using the **iPod**'s key pad, and a song or music in a new category is played, the interface module memorizes the last played track number of the new category. "New category" means file, or folder, or Playlist, or artist, etc. which is different from the Playlist being played. When you return to the same DISC on radio later, the interface module will use the "memorized" track number (note: just the track number, not the last played song in the new category) to playback the Playlist related to this DISC.

2-3-2 When the **iPod** is connected to the interface module, the **iPod** will take approximately 30 seconds to complete its external control mode configuration. During this period of time, the **iPod** screen's display will continue change until the configuration is completed.

2-3-3 **iPod** touch, iPhone and G3 **iPod**s are **NOT** compatible to Hybrid Mode. They are compatible to *Playlist Mode* and *Direct Mode.*

2-3-4 **iPod** classic and **iPod** 3rd generation nano are not compatible to Hybrid Mode if it's firmware is 1.1 or newer.

2-3-5 **iPod** video with firmware 1.2.3 or newer is not compatible to Hybrid Mode

2-4   RCA AUX INPUT
Besides **iPod**, PA20-TOY also can connect a second audio source to radio. Connecting the second audio source to the RCA jack labeled **AUX INPUT.** AUX input is enabled by setting the DIP switch **#1** at the side of this adaptor should be at ON position. When radio is in CD mode, AUX input is accessed at CD9-1 (except MP3 navigation radio, see section 5 - 1 for MP3 navigationg radio.)
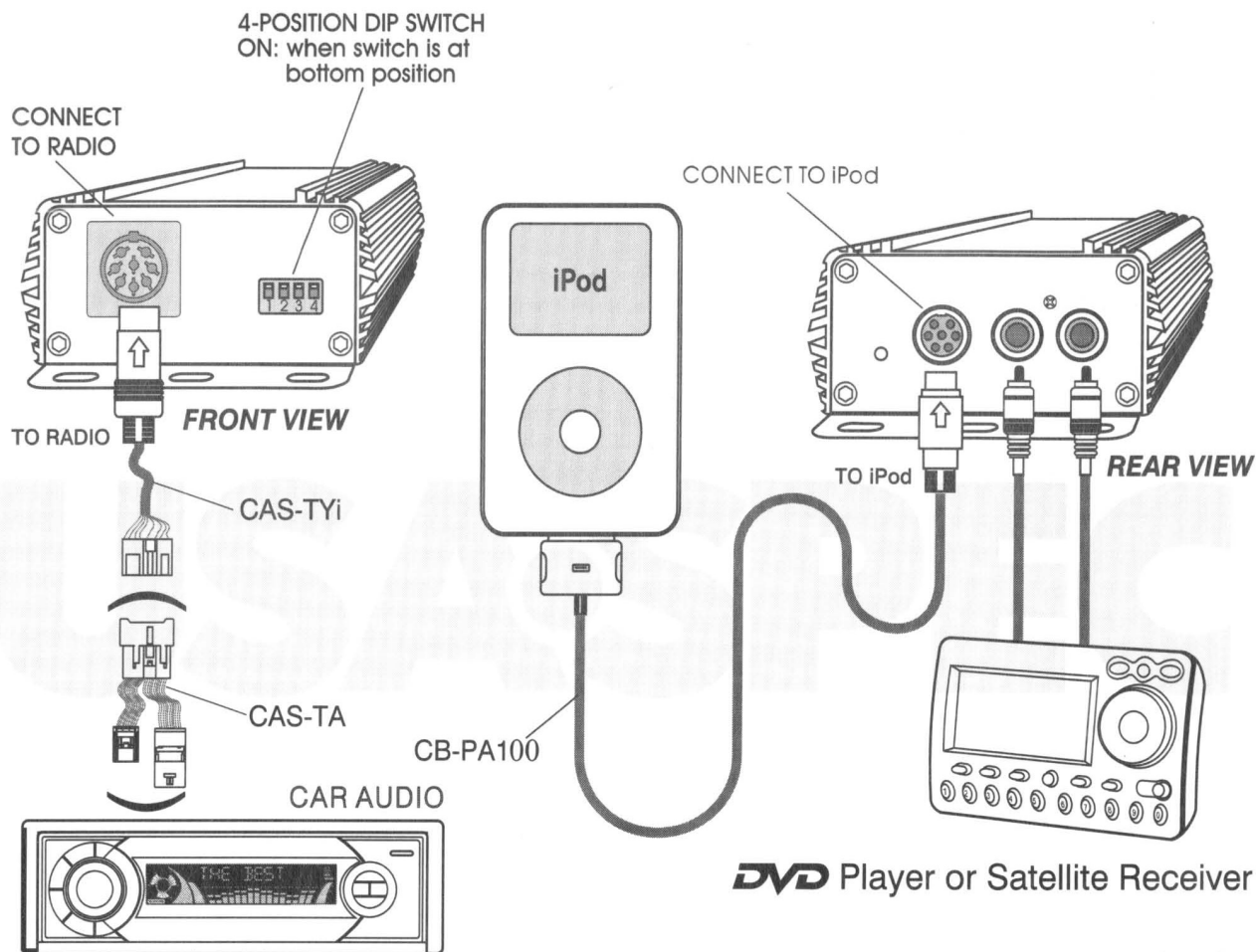
Section 3. WIRE CONNECTION

Step 1- Remove radio from the dash.
Step 2- Plug the round din plug of the CAS-TYi to PA20-TOY interface adapter box where it is labeled "RADIO"
Step 3- Plug the other end of CAS-TYi cable to the receptor at back of radio. (For some of recent year models, plug CAS-TA to the back of radio and connect CAS-TYi to the other end of CAS-TA.)
Step 4-a- Connect the audio output of your auxiliary devices to AUX input jack on PA20-TOY adapter box if the additional AUX option is selected by setting the DIP swich#1 to "ON" position.
Step 4-b- Set the DIP switch #2, #3 and #4 according to the table in Section 2-4.
Step 5- Plug CB-PA100 cable to PA20-TOY adaptor box where it is labeled "**iPod**"
Step 6- Reinstall radio to the dash.

WARNING!!
Use only the iPod connection cable which comes with PA20-TOY interface adaptor.
iPod Connection cables from other sources may look similar, but they may damage your iPod.

4-POSITION DIP SWITCH
ON: when switch is at
bottom position

CONNECT TO RADIO

CONNECT TO iPod

FRONT VIEW

TO RADIO

CAS-TYi

CAS-TA

CAR AUDIO

THE BEST

iPod

CB-PA100

TO iPod

REAR VIEW

DVD Player or Satellite Receiver

Section 4. APPLICATION & DIP SWITCH SETTING

Part 1- for RCA AUX Input......

	DIP # 1
RCA AUX input ON	ON
RCA AUX input OFF	OFF

Note   DIP #1 setting is independent to the setting of every other switch.

Part 2- for radio recognition......

Make	Model	Year	Type of Radio	DIP Switch #2	#3	#4	Radio Button To use	Note
T O Y O T A	4 Runner	98 - 08	No Nav	on	on	on	DISC	(1)
		98 - 05	Nav	on	on	on	DISC	(1)
		06 - 08	Nav	off	off	on	DISC	
	Avalon	98 - 04	All Radios	on	on	on	DISC	(1) (2)
		05 - 08	No Nav w/Tape	on	off	off	SAT or AM	(4)
			No Nav w/o Tape	off	off	off	SAT or AM	(4)
			Nav	on	on	off	SAT or AM	(4)
	Camry	98 - 08	No Nav	on	on	on	DISC	(1)
		07 -08	Nav	off	off	on	DISC	
	Celica	98 - 04	All Radios	on	on	on	DISC	(1)
	Corolla/Echo	98 - 09	No Nav	on	on	on	DISC	(1)
		2009	Nav	on	off	on	DISC	
	FJ Cruiser	07 - 08	All Radios	on	on	on	DISC	
	Highlander	01 - 08	No Nav	on	on	on	DISC	(1)
		05 - 07	Nav w/ built-in CDC	on	on	on	DISC	(1)
		2008	Nav	off	off	on	DISC	
			Nav w/ Rear DVD	off	on	on	DISC	
	Land Cruiser	02 - 08	No Nav	on	on	on	DISC	(1) (5)
		01 - 04	Nav	on	off	on	DISC	(5)
		05 - 07	Nav	on	on	on	DISC	
		2008	Nav	off	off	on	DISC	
	Matrix	05 - 09	All Radios	on	on	on	DISC	
	Prius	04 -06	w/ built-in MP3	off	on	on	DISC	
		04 - 06	w/o built-in MP3	on	on	on	DISC	(1)
		07 - 08	All Radios	off	on	on	DISC	
	Rav 4	98 - 08	All Radios	on	on	on	DISC	
	Scion	01 -08	All Radios	on	on	on	DISC	
	Sequoia	05 - 06	All Radios	on	on	on	DISC	
		07 - 08	No Nav (exclude Delphi Radio)	on	on	on	DISC	
			Delphi Radio	on	on	off	SAT or AM	(4)
		07 - 08	Nav	off	off	on	DISC	
			Nav w/ Rear DVD	off	on	on	DISC	
	Sienna	98 - 05	All Radios	on	on	on	DISC	(1) (3)
		- 05	Nav	on	on	on	DISC	(1)
		06 - 08	Nav	off	off	on	DISC	
		06 - 08	Nav w/ Rear DVD	off	on	on	DISC	
	Solara	98 - 08	All Radios (exclude Delphi Radio)	on	on	on	DISC	(1)
		07 - 08	Delphi Radio	on	on	off	SAT or AM	(4)
	Tacoma	98 - 08	All Radios	on	on	on	DISC	(1)
	Tundra	98 - 06	All Radios	on	on	on	DISC	(1)
		07 - 08	All (excl. Delphi radio)	on	on	on	DISC	
			Delphi Radio	on	on	off	SAT or AM	(4)
			Nav	off	off	on	DISC	
			Nav w/ Rear DVD	off	on	on	DISC	
	Yaris	07 - 08	All Radios	on	on	on	DISC	

Make	Year	Model		DIP Switch			Radio Button To Use	Note
				#2	#3	#4		
L E X U S	ES 300/330/350	02 - 03	Nav	on	off	on	DISC	(6)
		04 - 06	All Radios	on	on	on	DISC	(1)
		07 - 08	No Nav	on	on	on	DISC	(1)
			Nav	off	on	on	DISC	
	GS 300/350/430/450H	05 - 06	All Radios	on	on	on	DISC	(1)
		07 - 08	All Radios	off	on	on	DISC	
	GX 470	04 - 06	No Nav	on	on	on	DISC	(1)
			Nav	on	off	on	DISC	
		07 - 08	No Nav	on	on	on	DISC	(1)
			Nav	off	on	off	DISC	
	IS 250/300/350	01 - 05	All Radios	on	on	on	DISC	(1) (6)
		06 - 08	No Nav	on	on	on	DISC	(1)
			Nav	off	on	on	DISC	
	LS430	01 - 06	All Radios	on	off	on	DISC	
	LS 460	07 - 08	No Nav	on	on	on	DISC	(1)
			Nav	off	on	on	DISC	
	LX 470	01 - 07	All Radios	on	off	on	DISC	(6)
	LX 570	2008	All Radios	off	on	on	DISC	
	RX 300/330/350/400H	01 - 03	No Nav w/ ext. CDC	on	off	on	DISC	(6)(7)
		04 - 06	All Radios	on	on	on	DISC	(1)
		07 - 08	No Nav	on	on	on	DISC	(1)
			Nav	off	on	on	DISC	

Note: (1) If PA20-TOY conflicts with CD changer or can not be recognized by radio, turn ACC (ignition) power ON and OFF 6 times within 15 seconds to complete the re-configuration of PA20-TOY.

Note: (2) In year 2001 car, the built-in CDC may not be usable while **iPod** is connected to PA20-TOY

Note: (3) 98 - 02 Sienna requires cable adaptor CAS-TLC to retain steering wheel control

Note: (4) Cable adaptor, CAS-TSAT is required if the car has factory SAT receiver

Note: (5) 01 - 03 Land Cruiser requires cable adaptor CAS-TLC for installation

Note: (6) 01 - 03 car requires cable adaptor CAS-LEX for installation.

Note: (7) Must has an external or slave CD changer. Substitute the CD changer with PA20-TOY

After **iPod** connected to PA20-TOY , **iPod** will take a few moments to get into external control mode. During the initializtion, **iPod** screen will change continuously for approximately 25 seconds

5 - 1 When works with a MP3/WMA compatible navigation radios

5-1-1 Syonchronnization with radio

Pressing AUDIO and DISC button on radio and wait until cither Fig. (1) screen Fig. (3) screen is shown on touch screen to indicate the complction of synchronization. Press the **"FOLDER LIST"** touch button to go to fig (2) screen. (**Note**: In a **Toyota** car which has rearseat DVD, only Fig (1) screen is available.
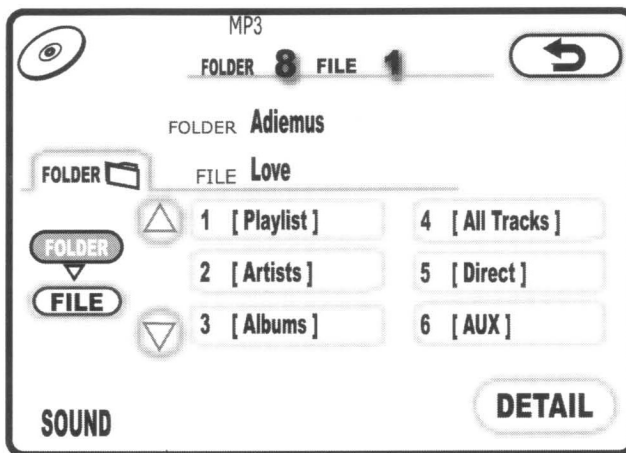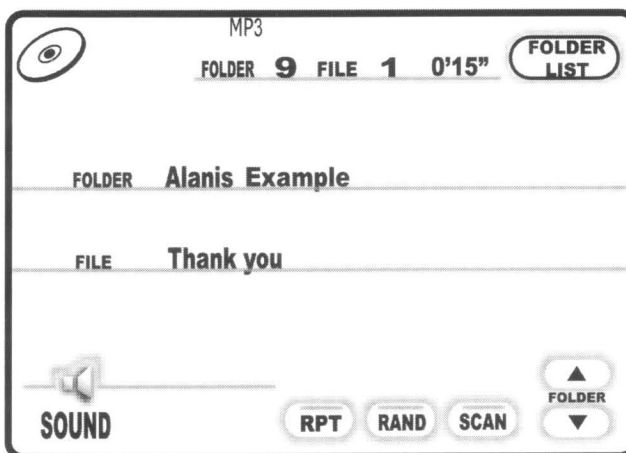
Fig (1) screen
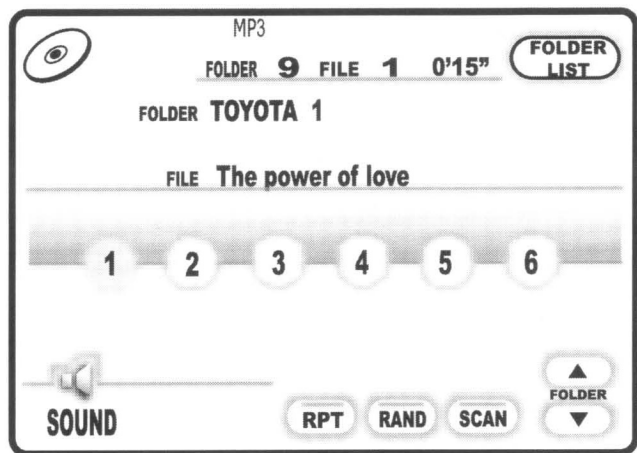
Fig (2) screen

Fig (3) screen

- On Fig(1 screen, function of the touch buttons are assigned as follow:

DISC 1	browse Playlists folders on iPod	
DISC 2	browse Artist folders on iPod	
DISC 3	browse Album folders on iPod	
DISC 4	browse All Song folders on iPod	
DISC 5	browse and seach song from iPod directly	
DISC 6	browse Genres folders on iPod if DIP switch #1 is OFF or access RCA jack AUX input if DIP seitch #1 is ON	
FOLDER LIST	display folder list and select the desired folder	See note below
△ **FOLDER** ▽	go to next folder go to previous folder	

- On Fig(2 screen, function of the touch buttons are as follow:

[Playlist]	browse Playlists folders on iPod	
[Artists]	browse Artist folders on iPod	
[Albums]	browse Album folders on iPod	
[All Song]	browse All Song folders on iPod	
[iPod Direct]	browse and seach song from iPod directly	
[AUX]	access RCA jack AUX input	
FOLDER	display folder list and select the desired folder	See note below
FILE	display file (song) list and select the desired song	
DETAIL	display the details of " Playlist Song "	See note below
▽	list the next 6 folders or file	
△	list the previous 6 folders or file	

Note: Radio may allow this fution only when car is not moving.

5-1-2 Playback of song on iPod

If **iPod** was playing a Playlist right before the connection with PA20-TOY, the same Playlist will continuc play at DISC 4 on screen Fig (1) after **iPod** is synchronized to PA20-TOY, and **iPod** will switch to "All Songs" after the last track in this Playlist is played.

If **iPod** was playing previously before radio or ACC power was off, and the **iPod** was not disconnected, playback resumes form where it was stopped when power is ON again.
played

5 - 2 When works with a non-MP3/WMA compatible navigation radio or a non-navigation radio

5-2-1 select iPod mode on radio
Press the DISC button on radio repcatedly until "CD7-X" appears on radio display (x is the track number of "Now Playing" song on **iPod**). This display confirms that **iPod** and radio are synchronized. Synchronization timing varies according to the number of songs your **iPod**

5-2-2 Playback of songs on iPod
Disc 7 is to playback "ALL Songs" and DISC 1 to DISC 6 is to playback six Playlists on **iPod** **iPod**. If **iPod** was playing a Playlist right before the connection with PA20-TOY, the same Playlist will continuc play at DISC 7 and **iPod** will switch to "All Songs" after the last track in this Playlist is played.

If **iPod** was playing previously before radio or ACC power was off, and the **iPod** was not disconnected, playback resumes form where it was stopped when power is ON again.
played

5-2-3 Selecting a Playlist
Press DISC UP (∧) or DISC DOWN (∨) button to select a Playlist. The Playlist number and track number will be displayed. Song title and artist name will be displayed too if the radio supports text displsy.

After playing the last song in the current Playlist, playback will start again from the first track of this Playlist.

Playlist naming (not required for MP3 navigation radio)
* When **iPod** is connected to your radio via PA20-TOY interface adapter, the adapter scans all available Playlists on **iPod** and look for designated Toyota Playlists which are created for direct access with the DISC controls on Toyota radio. The designated Toyota Playlists are related to DISC number in the following manner:

      DISC 1: TOYOTA1...
      DISC 2: TOYOTA2...
      DISC 3: TOYOTA3...
      DISC 4: TOYOTA4...
      DISC 5: TOYOTA5...
      DISC 6: TOYOTA6...
      DISC 7: ALL SONGS on **iPod**

The naming of designated Toyota Playlists in iTune for PA20-TOY interface must be exactly as shown. Toyota must be in capital letters and there can be no spaces between Toyota text and number.

However, you may add any text after the correct naming of a Playlist. (i.e. Toyota1-Jazz, Toyota3_Favorite3 are acceptable Playlist names for PA20-TOY **iPod** interface.)

- If no designated Toyota Playlists are created, PA20-TOY adapter automatically relates to the first five Playlists on **iPod** to DISC number 1 to 6 regardless Playlist naming.

- If less than six designated Toyota Playlists are created, PA20-TOY adapter automatically fills up the rest of DISC numbers beginning with the first available Playlist on **iPod**.
  Example: if only three designated Toyota1, Toyota3 and Toyota5 Playlists are created, the disc number on radio will be:

  DISC 1: Toyota1...
  DISC 2: (1st available Playlsit on **iPod**)
  DISC 3: Toyota3...
  DISC 4: (2nd available Playlist on **iPod**)
  DISC 5: Toyota5...
  DISC 6: (3nd available Playlist on **iPod**)

The **iPod** interface does not recognize a Playlists that contains no audio tracks regardless of Playlist naming. The **iPod** interface also does not recognize the "On-The-Go" Playlist on your **iPod** .

5-2-4 Summary of iPod Model vs. Operating Modes

At......	radio plays......	and it is in......	Remark
DISC # 1	1st Playlist	Hybrid or playlist Mode (depends on iPod model)	
DISC # 2	2nd Playlist	Hybrid or playlist Mode (depends on iPod model)	
DISC # 3	3rd Playlist	Hybrid or playlist Mode (depends on iPod model)	
DISC # 4	4th Playlist	Hybrid or playlist Mode (depends on iPod model)	
DISC # 5	5th Playlist	Hybrid or playlist Mode (depends on iPod model)	
DISC # 6	6th Playlist	Hybrid or playlist Mode (depends on iPod model)	
DISC # 7	All Songs on iPod	Hybrid or playlist Mode (depends on iPod model)	
DISC # 8	All Songs (no text display)	Direct Mode	
DISC # 9	AUX Input		If DIP switch #1 is set to ON

NOTE: **To those iPod models whlch support** *Hybird Mode*, **DISC # 8 or** *Direct Mode* **is skipped or omitted by PA20-TOY automatically.**

You can control playback with several functions. These functions are generally cancelled when you press select radio buttons; disconnect the **iPod**, or POWER OFF the radio or ACC.

SCAN

Press the scan button, each track in the current Playlist play for 10 seconds. If SCAN is pressed at DISC 6, it will play all songs in **iPod** for 10 seconds each.

Random (Shuffle)

Press the "RDM" random button, songs and Playlist will playback in random order.
Some radio models use the "P scan" button to activate random mode.

Repeat

Repeat of a song being played is not supported.

Track Up/Down

Press the "NEXT" button to advance to the next track in the Playlist. Press the "PREV" button to go to the beginning of the track that is being played. Press the track down button twice to go to the previous track.

If the track up or track down buttons is pressed quickly in repetition, the track numbers displayed may change unevenly. You may also hear short bits of audio during repeated presses of track up and track down buttons.

If your Toyota radio currently displays a maximum of two digits for track number. Track number 100 will be displayed as 01, track 101as 02, track 102 as 03...

Fast Track search (X10)

Presses the fast forwardd or fast reverse button (◀◀ , ▶▶) , it will advance or retreat through the tracks in the Playlist in inelemnet of 10 (i, e, 04, 14, 24......). When the end of the Playlist is reached, the search will stop at track 1, and the continue by increments of 10 (i, e, 19, 29, 1, 11.....)

When PA20-TOY is configured to SAT port. press on Fast Forward button starts the 10 track jump and requires a second on the FF button to stop the track jump, To stop the fast retreal, a second press on Fast Rewind button is required.

Changing source to AM/FM, CD, Cassette

When a source other then the **iPod** is selected on radio, the **iPod** will pause.

Note: **iPod**, **iPod** mini, **iPod** nano, **iPod** photo, **iPod** video and iTune are registered trade marks of Apple Computer, Inc.
Toyota and Lexus are registered trade mark of Toyota Motor Corporation.
Design and specifications are subject to change without notice.
XM is a registered trade mark of XM Satellite Radio Inc.

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 are 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 manufacture or the date of original installation. 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 U.S.A. is covered.

WARRANTY DOES NOT COVER :
1. Damage due to improper installation, operation, accident, negligence, abuse, or not following instructions, warnings, and 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 printed on the back of this manual for assistance. A detailed description of the problem(s) is required for service. Proof of purchase is also required when sending a product for warrant service. If the problem cannot be resolved and the product must be returned for service you will receive an authorization 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 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 INCIDENTIAL 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

PA20-TOY
iPod to Toyota / Lexus car stereo Interface with song title display

PLAY, CONTROL & CHARGE
Your iPod through Toyota Car Stereo System!

KEY FEATRES

This interface connects an iPod or iPod mini directly to your Toyota audio system with following benefits :

- Connect directly **iPod**'s audio output to Toyota vehicle audio system for optimal sound quality playback.
- Display artist name and song title on rdios equipped with TEXT button. (*This features is supported in Playlist Mode and Hybrid Mode.*)
- *Hybrid Mode:* Playlist and songs on **iPod** can be accessed either by using radio's CD change button, as well as by using **iPod**'s clik wheel.
- *Playlist Mode*: Select songs and Playlists on **iPod** with CD changer button on radio.
- *Direct Mode*: Search and select songs directly on **iPod**.
- Maintain current Playlist when switching from portable to in-car use.
- Charge the **iPod** battery while playing, charging automatically ends at one hour after **iPod** is paused to prevent car battery drain.
- Plus-DVD player, Satellite radio or other audio device can be used in conjunction with the **iPod** through Aux Audio Input jack.
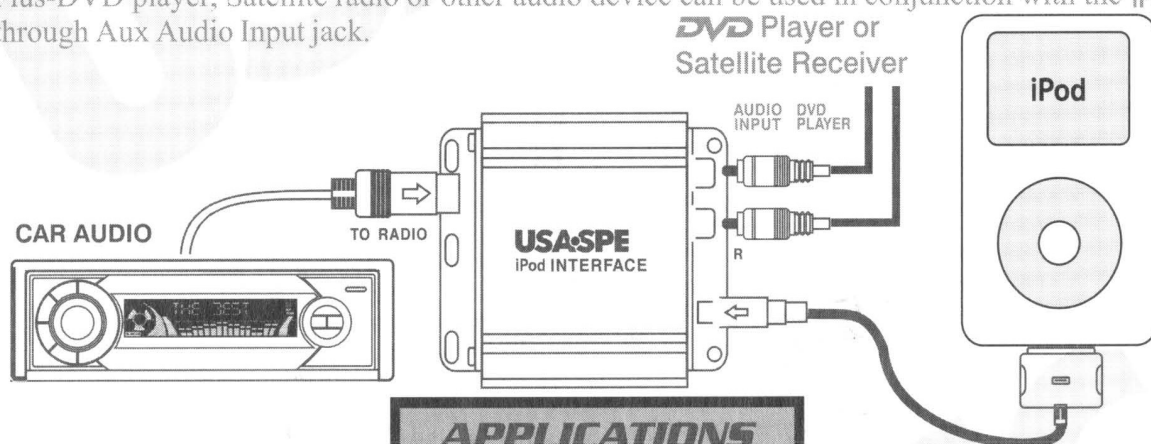
APPLICATIONS

PA20-TOY is applicable to following Toyota models :

4Runner	98-08	Land Cruiser	98-08	Sequoia, Taundra	98-08
Avalon	98-08	Matrix	05-08	Sienna	98-08
Camry	98-08	MR2, Celica	98-08	Solara	98-08
Corolla, Echo	98-08	Prius	04-08	Tacoma	98-08
F j Cruiser	2008	RAV4	98-08	Tundna	2008
Highlander	01-08	Scion	all models	Yaris	2008

PA20-TOY is applicable to following Lexus models:

ES 300/330/350
    02-03(requires CAS-LEX cable)
    04-08
GS 300/350/430/450
    01-05(requires CAS-LEX cable)
    06-07
GX 470   03-08

ES 300/330/350
    01-05 (requires CAS-LEX cable)
    06-08
ES 300/330/350
    01-03 NAV only(requires CAS-LEX cable)
    04-08
LX 470   04-08

For application to **earlier than 2005 Lexus vehicles,** a cable adaptor is required. Please contact **USA•SPEC** @ 626-3363836 for detail.

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XM is a registered trade mark of XM Satellite Radio Inc.
Toyota and Lexus are registered trade mark of Toyota Motor Corporation.

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