Techstream Online Help

The following online help guide explains Techstream operations.

Basic Operations

When Techstream is started, the Main Menu Screen is displayed. Select the desired function from the Main Menu Screen.

To quit Techstream, select "Exit Techstream" from the File menu.



Main Menu Screen

Screen Configuration

Techstream consists of the Main Menu Screen and the Diagnosis Screen.

Main Menu Screen



Main Menu Screen

1 Title Bar

Displays the name of the application.

2 Menu Bar

Displays the menu. For details, see Appendix A.

3 Client Window

Area where information is displayed and operations are performed. The client window is comprised of the following two areas.

\times

Menu Button Area

Displays buttons that can be operated for the current screen.

5 Information Area

Displays information.

Status Bar

Displays information related to the current screen. For details, see Appendix B.



×

Subscription Expiration "Subscription Expiration" and the time remaining until the expiration date for the current screen display only if an expiration date has been set.

Diagnosis Screen

Techstream (Ver 7.	00.009) - 11148 1				
File Function Setup TI	15 User Help 2				
System Select Stored	d Data 4				
2013 GS450h 5 2GR.FXE 898750 mile AAAASAALAGAAAAAA 8 Mealth Check	System Selection Select desired system and System Yellow = ECL System White = ECL "System White wiAste All ECUs Powertrain	Menu 7 then press the arrow button to U status unknown. I communication OK. enisk = ECU not supported or Chassis Body Electric:	o access the ECU, not responding. al		
Customize	Engine and ECT	Hybrid Control	*Radar Cruise	Air suspension	ABS/VSC/TRAC
owning	Tire Pressure Monitor	EMPS	VGRS	Electric Parking Brake	Lane Keeping Assist
ECU	DRS	Air Conditioner	SRS Airbag	Pre-Collision	Pre-Collision 2
Reprogramming	Main Body	Gateway	Back Door	D-Door Motor	P-Door Motor
CAN	RL-Door Motor	RR-Door Motor	Driver Seat	Passenger Seat	Master Switch
Bus Check	Sliding Roof	Titt&Telescopic	Combination Meter	Intuitive P/A	AFS
2	Smart Access	Power Source Control	Occupant Detection	Night View	Remote Engine Starter
	Navigation System	Multi Bus Gateway	Multi Bus Monitor No.1	Multi Bus Monitor No 2	Front Right Door
	Front Left Door	Blind Spot Monitor Master	Blind Spot Monitor Slave	Telematics	
C	This ECU controls fuel inje extraordinery circumstance	ction, ignition timing, knock e etc. Additionally, it controls	control, idling engine speed automatic transmission.	self-diagnosis function, and	ackup function in
TIS Search Print Main Meng	8				

Diagnosis Screen (System Selection Menu)

1 Title Bar Displays the application name, or the function name and Screen ID. 2 Menu Bar Displays the menu. For details, see Appendix A. 3 Client Window Area where information is displayed and operations are performed. The client window is comprised of the following three areas. 4 Tab Control Area By selecting Tab Control, the user can switch between the functions below. System Select / Stored Data / Live Data Tab / Customize Setting / ECU Reprogramming / CAN Bus Check 5 Vehicle Information Area Displays information for the vehicle being diagnosed. - Model Year - Model - Engine - Odometer – VIN 6 Menu Button Area Displays buttons that can be operated for the current screen. 7 Data View Displays the screen for each function started from the Menu Button. × Status Bar

Displays information related to the current screen. For details, see Appendix B.

Error Message List



The dialog box above is displayed when continuation is not possible due to a fatal error.

It is possible that the requested function may work if you re-start the Techstream application.	It is possible that the requested functio work if you re-start the Techstream ap Please submit an error report so this is be resolved.	
Dispass submit on organ report on this invision	Please submit an error report so this is be resolved.	n may plication.
be resolved.		sue can

The dialog box above is displayed when an error occurs that may be resolved by restarting the Techstream application.



The dialog box above is displayed when a negative response is returned from the Engine Control Unit (ECU). A negative response may be returned when the ECU is not ready to respond correctly, or when the ECU cannot

send the proper response due to a problem on the vehicle side.



The dialog box above is displayed when there is no response from the ECU.

ECU retur	ned a prohibit response. e: 0xC0040001
ECU replied p Techstream. I and try again.	rohibited response for the request of Please confirm the vehicle condition
Нер	OK Cancel

The dialog box above is displayed when a prohibit response is returned from the ECU. A prohibit response may result when the required vehicle conditions are not satisfied when running an Active Test. Make sure the "Execute condition(s)" are met, prior to running the Active Test.



The dialog box above is displayed when a communication error results from a source other than a faulty connection.

Error (S999-99)				
Ŀ	Lost communication with vehicle. Error Code: 0xA1050304 Please verify the following conditions: IG ON DLC Cable connection Battery Voltage It's possible the requested function will work if you try again. If the problem persists please submit an error			
He	lp Retry Cancel			

This dialog box is displayed if an error occurs while communicating with the ECU, but it is possible to continue processing.

Check the execution conditions, etc.

Screen Capture

This function enables a user to capture a screen shot of the display and save it as a file

by pressing F11 key while GTS is activated.

This function is available in all screens in GTS.



This screen is displayed when F11 key is pressed while GTS is activated. Press the OK button to go back to the previous screen.

Setup

The Setup function can be selected in the menu bar. Through Setup functions, the user is able to change default settings (the initial settings), add or change Techstream Configurations, select VIMs, check for updates, and register Techstream software.

The various setup functions can be selected from the [Setup] menu on the menu bar. This section explains the setup functions.

Display Property Functions (Display Properties)

Display Property Functions calls up Screen Properties for Windows.

hemes Desktop	Screen Saver Appearance	Settings
Inactive Win	ıdow	
Active Win	idow	
Window Text	Message Box	
Windows and buttor	OK ns:	×
Vindows and buttos Windows XP style	OK ns:	×
Windows and buttor Windows XP style Color scheme:	DK ns:	×
Windows and buttor Windows XP style Color scheme: Default (blue)	DK ns:	
Windows and buttor Windows XP style Color scheme: Default (blue) Font size:	DK	Effects

Display Property Functions (Windows XP)

User Preferences

Manage User Preferences including, default Vehicle Brand, Font Size, Unit Selection, Language Selection, and the assignment of Hot Keys, under the Setup function on the menu bar. This function can also found in an alternate location under the User function on the menu bar. There are three default Users set in Techstream: Generic English, Generic Spanish and Generic French. These default Users cannot be edited or deleted.

Users

The Users function is located on the menu bar. Through functions under Users, the user can Log Out, Change or Create User, and make changes to User Preferences. Functions under User Preferences are the same as those found in the same function under Setup.

Log Out

When the user chooses to Log Out, Techstream will make a Generic User become the current user.

Change/Create User

The Change/Create User Dialog can be displayed by choosing Change/Create User under the Users function on

Change/Greate User (S80)	0-02)	
1 Current User: 2 Additional Users:	er	
3 Name	Tech No.	Default Dire 🔨
Default User	1	C:\Documents and Settings\All Users\Docu
Ledit Profile	5 Id New User	Open Folder

the menu bar. It can also be displayed by clicking on User/Language Selections button on the Techstream Main Menu.

User Dialog

1 Current User
Displays the current user name.
2 Additional Users
Displays the number of users registered in Techstream, excluding the 3 default users
3 User List
Displays user information registered, in spreadsheet format. Current User appears in bold font. To edit or delete registered information, it is necessary to select and highlight the row of the particular user.
4 Edit Profile button
Displays a pop-up dialog box when editing user information. Pushing the Edit Profile button allows only the selected information from the user list to be edited.
5 Add New User button
Displays a pop-up dialog box to register a new user.
6 Delete User button
Displays a confirmation dialog box when deleting user information. Pushing the Delete User button allows only the selected information from the user list to be deleted.
7 OK button
Allows switching between users on the user list. If a column with no entry is selected, the dialog box will close without changing the user.
8 Cancel button
Cancels the user settings and closes the dialog box.

Add New User

The Add New User box is displayed when either the Add New User or Edit Profile buttons are pushed on the Change/Create dialog screen. A new user can be registered or the information for the current user may be edited and updated. The Add New User box is followed by the Default Brand, Font Size, Unit Selection, Language Selection, and Hot Key Utility dialog boxes to complete User registration.

Add New User (\$800-03	8)
1 Last Name :	
2 First Name :	
3 Technician Number :	
4 Default Directory :	C:\Program Files\Toyota Diagnostics\U:
<mark>ا</mark> ت	ontinue Cancel

Add New User Dialog

1	User Last Name
	Edits the user's last name.
2	User First Name
	Edits the user's first name.
3	Technician Number
	Edits the user's Technician Number.
4	Default Directory
	Changes the directory path for the user information being edited. A directory path selection dialog is available for editing the directory path.
5	Continue Button
	Registers edited user information. Closes the dialog box when registration is complete.
6	Cancel Button
	Cancels information changes and closes the dialog box.

Edit Profile

Displays a pop-up dialog box when editing user information. Pushing the "Edit Profile" button allows only the selected information from the user list to be edited.

Delete User When deleting a user, highlight the user to be deleted and click on Delete User.

Techstream Configuration

The Techstream Configuration dialog box is displayed when the Techstream Application is opened for the first time, or when the Techstream Configuration is chosen under the Setup function on the menu bar. The screen is comprised of a required information section and an optional information section. Required fields designate critical information necessary for Error Reporting, and User Type needed for proper communication with TIS. Optional information will appear in the header section, whenever the print function is used.

quired Information	Optional Information
his Information is used for error report follow p.	This information will appear on the header of printed reports.
ealer Name	Dealer Address
ealer Code	<u>A</u>
ealer Phone	
ealer Country United States	Dealer Email
his selection is used to configure Techstream etwork settings.	Dealer Website
Iser Type US Dealer	
Example: TOYOTA/LEXUS/SCION Dealers in the	

Techstream Configuration Dialog (For North America, Japan and Other)

This Information is used for error report follow	This information will appear on the header of minted searches
ip.	printed reports.
Repairer Name	Repairer Address
Repairer Code	~
Repairer Phone	× ×
Repairer Country Albania	Repairer Email
This selection is used to configure Techstream network settings.	Repairer Website
Jser Type EU_AL_DEALER1 _	
Example:	

Techstream Configuration Dialog (For Europe)

Area Selection

The Area Selection dialog box is displayed when the Techstream Configuration is opened. This dialog box allows the user to choose the area.

Techstre	am Configuration (S822-04)
Area	Selection
	North America
	Japan North America
	Europe Other
	Next> Cancel

Area Selection Dialog

Hot Key Utility

The Hot Key Utility dialog box is displayed when Hot Key Utility is chosen in User Preferences under the Users function on the menu bar.

Hot Keys allow you to select the blue buttons by using the function keys on the keyboard. The Snapshot function Hot Key is defaulted to the space bar, but can be changed by the user.



Hot Key Utility Dialog

Error Report Hot Key

Sets a hot key for recording error reports. For details, refer to "Error Report".

Vehicle Brand

The Vehicle Brand dialog box is displayed when Vehicle Brand is chosen in User Preferences under the User function on the menu bar. Whenever vehicle brand information is not available in the vehicle, the vehicle connection wizard will default to the Vehicle Brand specified here.

Vehicle Brand (S800-06)
Which vehicle do you service most often ?
Brand Select © TOYOTA © LEXUS © SCION
OK Cancel Apply
Which vehicle do you service most often ?
Brand Select TOYOTA C LEXUS
OK Cancel Apply

Default Brand Dialog

Default Language

Sets the default language. When performing "Log Out" operations, the user will be changed to the generic user for the selected language. This menu can only be used from the Main Menu.

Language Selection

The Language Selection dialog box is displayed when Language Selection is chosen in User Preferences under the Users function on the menu bar. The language used for Techstream can be designated here.

Language Selection (S800-12)	
Language Selection	
English	-
English	^
German	Ξ
French	~
Opanisii	
OK Cancel	

Language Selection Dialog

Unit Selection

The Unit Selection dialog box is displayed when Unit Selection is chosen in User Preferences under the Users function on the menu bar. The units for various parameters appearing in Techstream can be designated here.

Vehicle Speed		Temperature	and an a start of the
C km/h	· MPH	Celsius	• Fahrenheit
Distance		Air Flow	
C km, m, mm	○ mile, feet, inch	☞ gm/sec	⊂ Ib/min
Weight		Vapor Pressure	
⊂ kg	Ibs		⊂ kPa
Air Pressure		🕫 abs	mmHg
	C kPa	C gauge	⊂ in/Hg
C abs	C mmHg		C psi
☞ gauge	C in/Hg		C in/H2O
	🕫 psi	- Fuel Consumption	
	C in/H20		C MPG(Imperial)
Fuel Pressure	1	⊂ km/L	C L/100km
⊂ kPag	☞ psig		

Unit Selection Dialog

VIM Select

The VIM Select dialog box is displayed when VIM Select is chosen under the Setup function on the menu bar. The VIM Select dialog box enables the user to change to another J2534 compliant interface device. Select the Vehicle Interface Module to be used in the pull down menu.

Press the "Detail" button to display the settings screen for each J2534 device. There is no settings screen for

TIS Techstream VIM. Accordingly, a settings screen will not be displayed when the "Detail" button is pressed with TIS Techstream VIM selected.

VIM Select (2999-0	5)	2
Interface setup:	TIS Techstream VIM Detail	
Vendor Name Device Name ProtocolsSuppo CAN ISO15765 J1850PVM J1850VPW ISO8141 ISO14230 SCL_ATRANS SCL_B_ENGIN SCL_B_ENGIN SCL_B_TRANS Function Library ConfigApplicatio	: DENSO CORPORATION : TIS Techstream VIM rted : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	
	OK	

VIM Select Dialog

Font Size

The Font Size dialog box is displayed when Font Size is chosen in User Preferences under the Users function on the menu bar. The font size used in Techstream can be designated here.

Font	size Selection
æ	Regular(10 pt)
	abc ABC 123
c	Large (14 pt)
1	abc ABC 123

Font Size Dialog

Snapshot Type Selection

This dialog box is displayed when Snapshot Type Selection is chosen in User Preferences under the User function on the menu bar.

In this dialog box, the user can specify the record type of Snapshot.



Snapshot Type Selection Dialog

1 Type 1

_Snapshot is started manually or when the trigger condition is satisfied.

2 Type 2

Snapshot starts automatically when the data list screen is opened.

Snapshot Duration Setting

This dialog box is displayed when Snapshot Duration Setting is chosen in User Preferences under the User function on the menu bar.

On	this	screen,	snapshot	recording	duration	can be set.

1		
Duration:	5 min	•
2		
Trigger Point:	50%	•

Snapshot Duration Setting Dialog

1 Duration

Sets the recording time.

Select from 5 s / 15 s / 30 s / 60 s / 90 s / 3 min / 5 min / 10 min / 20 min / 60 min / Maximum.
Trigger Point

Sets the percentage of the recording time saved as data before the trigger is pressed.

Select from Begin / 10 % / 20 % / 30 % / 40 % / 50 % / 60 % / 70 % / 80 % / 90 % / End.

Graph Scale Setting

This dialog box is displayed when Graph Scale Setting is chosen in User Preferences under the User function on the menu bar.

On this screen, graph scales for all the line graphs can be set.

araph Scale Setting (S800-22)	
Graph Scale Setting Graph Scale Setting Auto-ranging Manual-ranging Increment	
2 SCALE	
Auto-ranging	
C Manual-ranging	
Minimum	
Maximum 0 III	
OK Cancel	

Graph Scale Setting Dialog

1 TIME SETUP

AUTO

The horizontal axis is automatically set.

MANUAL

The horizontal axis is manually set. When the icon is clicked, the screen to enter the value is <u>dis</u>played.

2 SCALE SETUP

AUTO

The vertical axis is automatically set. MANUAL

The vertical axis is manually set. To set, enter the MAXIMUM and MINIMUM values. When the icon is clicked, the SCALE screen is displayed. Apply to all graphs.

Check for Updates

Checks the TIS server for updates for the Techstream software.

Register Techstream Software

Registers Techstream software user information to the server. If the software is used without being registered, there is a limit placed on the number of times it can be used.

Key Registration

Input the Registration Key.

egistration information	ĸ
Software ID:	31C82B4AC1D460C5DF35E0F18507FD36
2 Software Version:	6.10.014
Current Key: 3	26/96/622098e7de460e5347207b40/603551103091920
the second	nictration web page contact Techotream cumport. For Techotreau
Software	Arristration web page, contact Techstream support. For Techstream ort Information button below.
B OK Key R	Registration button below.

Displays the Software Version. 3 Key

The Registration Key can be entered here.

If a valid Registration Key is registered, the key is displayed in light gray and cannot be edited.

4 Software Registration button

Displays the Key Registration web site using a browser.

5 Support Information button

Displays Support Information using a browser.

 \times OK button Registers the Registration Key entered in [3].

X Evaluate button Starts the function. After clicking the button a certain number of times, the button displays in gray. Cancel Button Closes the screen.

Expiration Notification

This screen appears when the Registration Key is expired.

×

Expiration notification dialog

No Network Connection Warning

This screen displayed when Techstream is used without a network connection. "#" indicates the number of vehicle connections remaining without a network connection.

Network connection is unavailable. A network connection is required to
 use lechstream software.
You can only connect 12 more times without a network connection
before software registration is required.

No Network Connection warning Dialog

No Network Connection Usage Limit Warning

This screen displays when the Techstream usage limit has been reached without a network connection. This screen displays when key registration is required.

Registe	er Techstream Software (S314-04)
<u>.</u>	You have exceeded the maximum number of vehicle connections allowed without a network connection. Please verify network connection and register Techstream software
	OK

Usage Limit Warning Dialog for when there is No Network Connection

Main Menu Screen

When Techstream is started, the Main Menu Screen is displayed. Select the desired function from the Main Menu Screen.



Main Menu Screen

	Connect to Vehicle
	Open Scan Data File
	Launch TIS
	New Users Demo
	Check for Scantool Updates
	Generic OBD II
	Software Registration
(User Selection
	Language Belection
	Advanced Diagnosis
	Log Out

Begins diagnosing the TOYOTA/LEXUS/SCION vehicle. The vehicle type is automatically determined via communication with the vehicle. If the vehicle type cannot be automatically determined, the user must select Option, etc. Refer to Diagnostic Functions for TOYOTA/LEXUS/SCION.

Opens the Service Event File or Uploads Drive Recorder Data.

Launches web browser to connect to TIS.

Displays the demonstration screen.

Checks for Techstream software updates.

Runs Generic OBD II. Refer to Generic OBD II.

Performs user registration so the software can be used.

Changes the User. .

Changes the language.

Starts the Advanced Diagnosis function.

Changes the Current user to Generic User. If user settings are changed, the changes made will be cancelled.