

J2534 Device DN-DST-010-A DN-DST-010-B DN-DST-010 Setup Manual

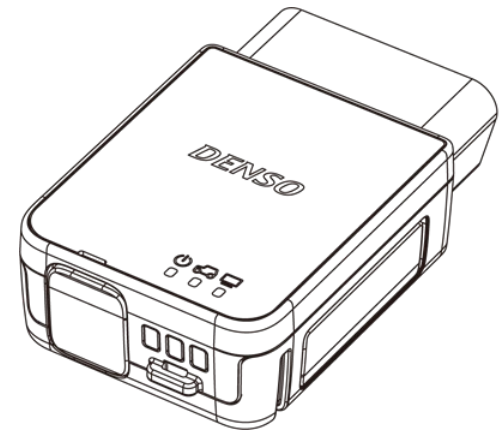


Table of Contents

Introduction	5	4. Firmware Updating	15
1. Overview	6	5. How to Use ToolBox	20
• 1-1. Communication Method of DST-010	6	• 5-1. Connecting DST-010 with PC (Home tab)	21
• 1-2. Disconnection Reminder Function	7	• 5-2. Communication Method Setting (Communication setting tab)	24
• 1-3. Operating Environment	8	• 5-3. Settings for Buzzer Notification Function (Buzzer Setting tab)	28
• 1-4. DST-010 Status and Indicators	9	• 5-4. Settings for Identification Color (Color tab)	30
• 1-5. Operating Status Indicators	10	• 5-5. Device Information Check (Device info tab)	31
2. Before Use	11	6. Settings for Diagnosis Software Communication Interface	32
• 2-1. Items Prepared for Setup	11		
• 2-2. Connecting DST-010 with PC for the First Time	12		
3. Installing Driver and ToolBox	13		

Table of Contents

7. Settings for Wireless LAN Communication 33

- 7-1. Settings for Wireless LAN Communication Performed by DST-010 33

- 7-2. Wi-Fi Connection Mode 34

- 7-3. Connecting DST-010 with PC in Infrastructure Mode 35

Infrastructure Mode Setting Overview 36

Configuring Settings Necessary for Infrastructure Connection 38

Setting Access Point to Connect DST-010 39

Reference:
Connecting with Stealth Access Point 40

Setting DST-010 to Infrastructure Mode 41

Connecting PC to Access Point 42

Connecting with PC in Infrastructure Mode 43

- 7-4. Connecting DST-010 with PC in Peer-to-Peer Mode 47

Peer-to-Peer Mode Setting Overview 48

Configuring Settings Necessary for Peer-to-Peer Connection 49

Setting Password and Communication Method at Start 50

Connecting with PC in Peer-to-Peer Mode 51

8. Settings for Bluetooth Communication 55

Configuring Settings Necessary for Bluetooth Connection 56

Connecting with PC through Bluetooth Communication 58

9. Uninstalling Software 62

Table of Contents

10. Wi-Fi Specifications 64

- 10-1. Lists of Wi-Fi and Network Specifications for DST-010 64
- 10-2. Characters Available for Passwords 65

11. Reference Materials 66

- 11-1. SD Memory Card Access Indicator 66
- 11-2. Indicator Lighting Pattern at Factory Shipment 67
- 11-3. Indicator Lighting Pattern when Configuring Settings with ToolBox 68
- 11-4. Indicator Lighting Pattern during Vehicle Communication 69
- 11-5. Normal Indicator Lighting Sequence before Diagnosis 70

Introduction

- This manual describes instructions on installing driver and setting utility for this product (hereinafter, DST-010), setting the disconnection reminder function, and procedures for setting items in order to use this product wirelessly and until making a wireless communication.
- Note that the screens and specifications in this manual are subject to change without notice.
- For how to configure wireless LAN adapter settings in a PC not supporting a wireless LAN, how to configure settings for a connection between a PC and an access point (wireless LAN router), and pairing with Bluetooth devices, refer to the manuals of the PC and the manuals of the device used.

[Caution]

- DST-010 is not ready for use without initial configuration.
Use the USB cable included with DST-010 to connect DST-010 with the PC and install the firmware.
- Use only the included USB cable. Do not use any other USB cables.
- Do not connect multiple DST-010 to one PC.

1-1. Communication Method of DST-010

- The wireless supported model (DARK GREEN, GREEN and YELLOW) can communicate with the PC while switching the communication method between the wireless LAN communication (infrastructure mode, peer-to-peer mode) and the Bluetooth communication.
The dedicated wired connection model (PINK and BLUE) supports only USB communication.
For more details, click the following URL and refer to “Product Specifications”.

<https://www.ds3.denso.co.jp/SIHAN/DN-DST-010/en/spec/index.html>

1-2. Disconnection Reminder Function

- A buzzer sounds when the communication between DST-010 and the PC has stopped.

You can specify the time until a buzzer notification is given.

This function is useful to prevent forgetting to disconnect DST-010 after diagnosis of the vehicle is completed.

Refer to “5. How to Use ToolBox” for setting this function.

1-3. Operating Environment

Operating environment

- OS: Microsoft Windows 10 / 11 *Excluding ARM-based processors
- The other operating environments are identical to those for the diagnosis software installed in the PC.

Wireless LAN specification supported by DST-010

- IEEE802.11b / IEEE802.11g / IEEE802.11n

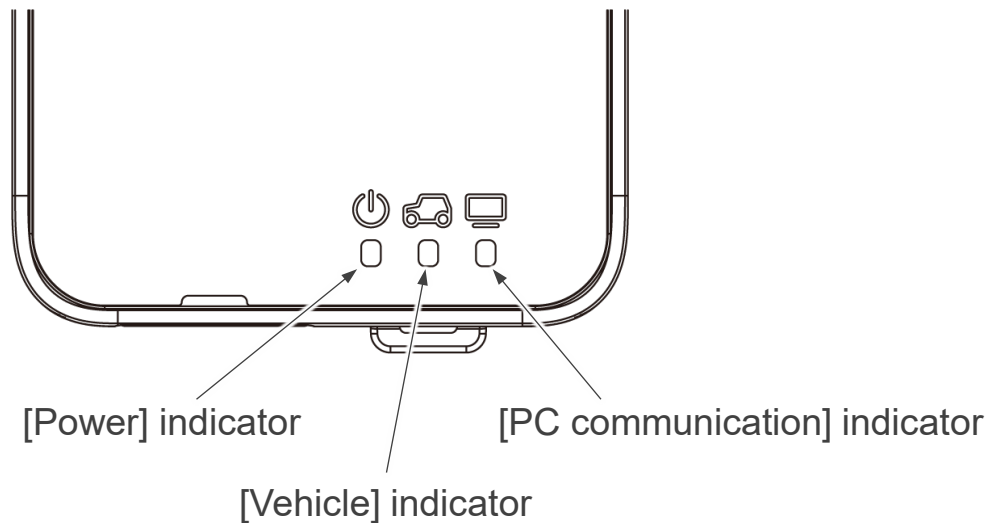
Bluetooth specification supported by DST-010

- Bluetooth 4.0

1-4. DST-010 Status and Indicators

- The indicators indicate the status of DST-010.

<Image of indicators>



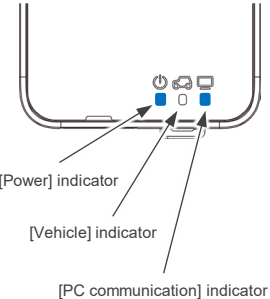
[Tips]

When an error occurs, all of the three indicators or any of them is lit in red.

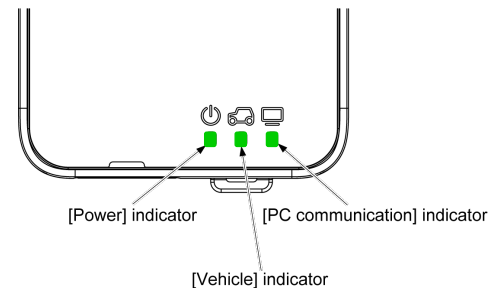
When the indicator is lit in red, disconnect DST-010 from the vehicle.

If you connect DST-010 to the vehicle again but the indicator is still lit in red, the product may be damaged.

1-5. Operating Status Indicators

Indicator name		What it means	
 <p>[Power] indicator</p> <p>[Vehicle] indicator</p> <p>[PC communication] indicator</p>	Power indicator: Indicates the power supply status.	Unlit	No power is supplied.
		Lit in blue	USB power is supplied but vehicle power is not supplied.
		Lit in green	Vehicle power is supplied.
		Blinking in yellow	A software error occurs.
		Lit in red	An error occurs in the product.
	Vehicle indicator: Indicates the status of communication with the vehicle.	Unlit	Conditions for communication with the vehicle are not satisfied.
		Lit in green	Ready to communicate with the vehicle.
		Blinking in blue	Communication with the vehicle is ongoing.
	PC communication indicator: Indicates the status of communication with the PC.	Blinking in blue	Not connected or wait to connect with the PC (to establish wireless connection, use ToolBox.)
		Blinking in green	Connection with the PC is finished.
		Blinking in yellow	●●●●●●●●●● The DST-010 driver is not installed in the PC.
			● ● ● Firmware is not loaded (factory shipment status).

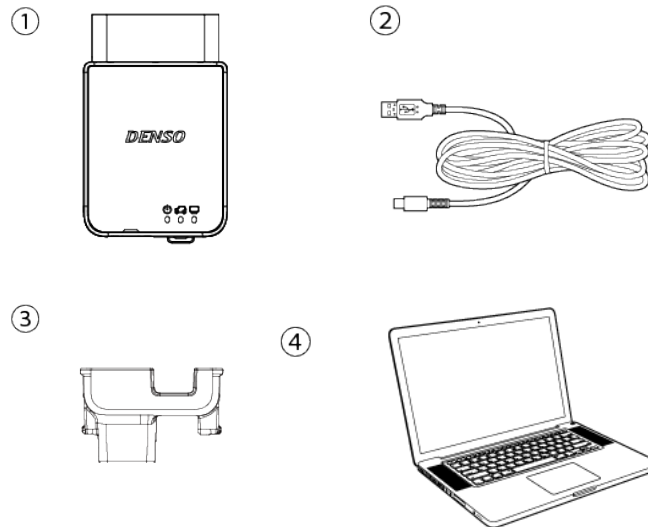
All indicators turn into green, then you can start vehicle diagnosis.



2-1. Items Prepared for Setup

Items for setup

- (1) DST-010
- (2) USB cable included with DST-010
- (3) USB cable lock included with DST-010
- (4) PC with the operating environment requirement satisfied, capable of connecting to the Internet



[Tips]

For use in wireless communication, prepare the ISO13400 supported model (DARK GREEN, GREEN) DST-010 or the standard model (YELLOW) DST-010; a PC conforming to the wireless LAN specification that is supported by DST-010; and peripheral devices such as a wireless router as necessary.

2-2. Connecting DST-010 with PC for the First Time

Install the DST-010 software to your PC, and update the DST-010 firmware.

To use DST-010 for the first time, install the DST-010 software (DST-010 ToolBox and driver) to your PC.

After that, use the USB cable included with DST-010 to connect DST-010 with the PC, and update the firmware.

[Caution]

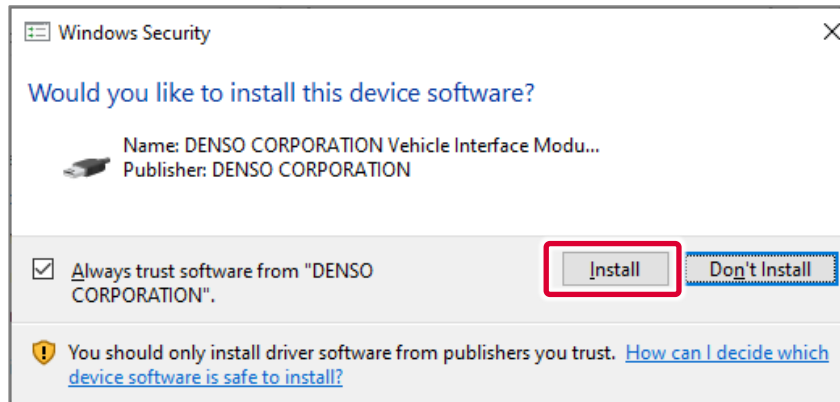
- The firmware cannot be installed wirelessly.
Install it with the USB cable included with the product.
- When connecting the PC with DST-010 through the USB cable for the first time, or connecting to a USB port different from the previous connection, a message about installing a USB driver will be displayed on the bottom right of the PC screen.
- Refer to the manuals for the PC or devices for how to use Bluetooth in the PC (OS: Windows) and how to enable pairing.
- Refer to the manuals for the PC or devices for how to set the wireless LAN adapter and how to set the connection between the PC and an access point (wireless LAN router).

3. Installing Driver and ToolBox

- Click the following URL to download and launch the installer:
“DST-010_InstallerXXX.exe”.
- Follow the instructions on the screen and execute installation.
- Installer URL
<https://www.ds3.denso.co.jp/SIHAN/DN-DST-010/en/download/index.html>

3. Installing Driver and ToolBox

- 1 At the first installation, the screen below may appear. Click "Install".



- 2 The item on the right is added in the list of the Start menu when installation is completed.



[Tips] From version 3.2.0 onward, a shortcut will be created on the desktop, allowing you to launch the application from there. In addition, the software is installed with the startup feature enabled by default, so ToolBox will run in the background when the PC starts.

* If a DST-010 is connected when the PC is powered on, ToolBox will launch automatically.

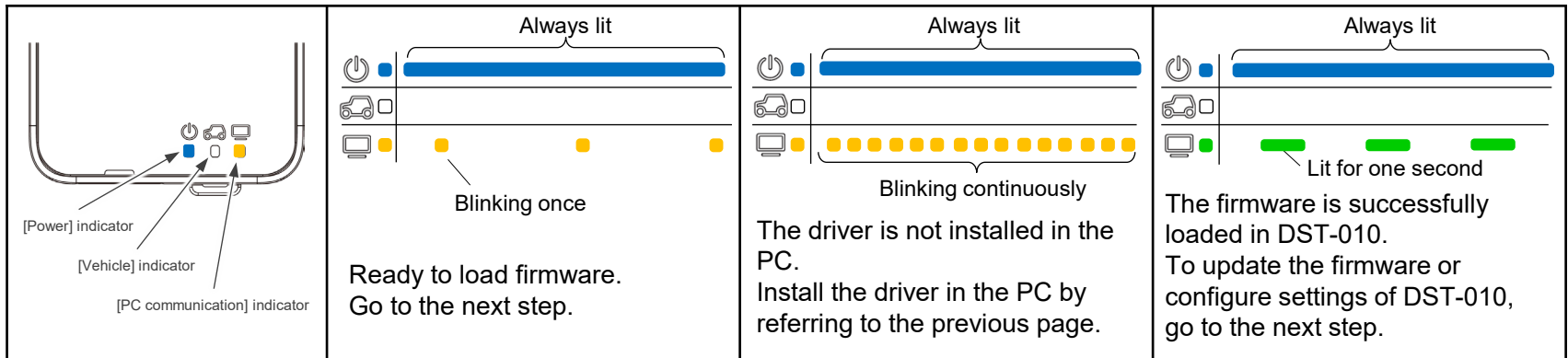
4. Firmware Updating

- 1 Use the USB cable to connect DST-010 to the PC and update the firmware.

[Caution] The firmware cannot be updated wirelessly.
Update it with the USB cable included with the product.

- 2 Connect DST-010 to the PC through the USB cable.

- 3 DST-010 turns on. Then, check the indicator lighting pattern.

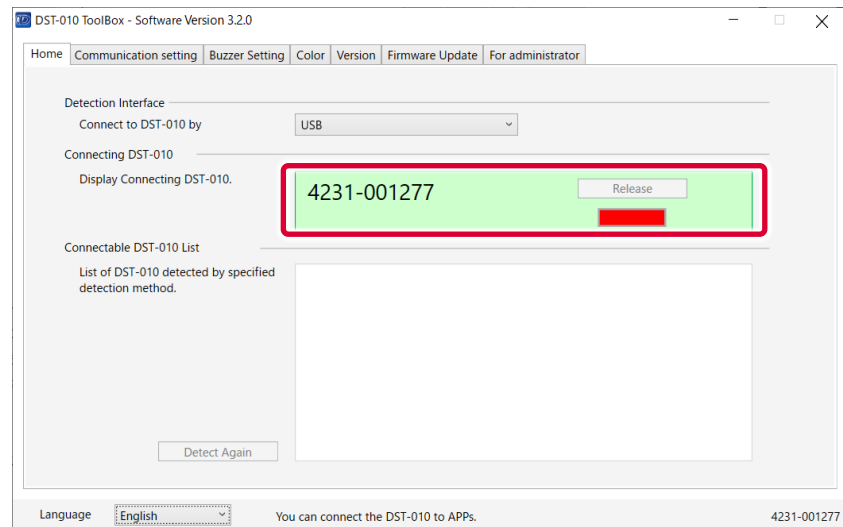


4. Firmware Updating

- 4 Open “DST-010 ToolBox” from the Start menu.

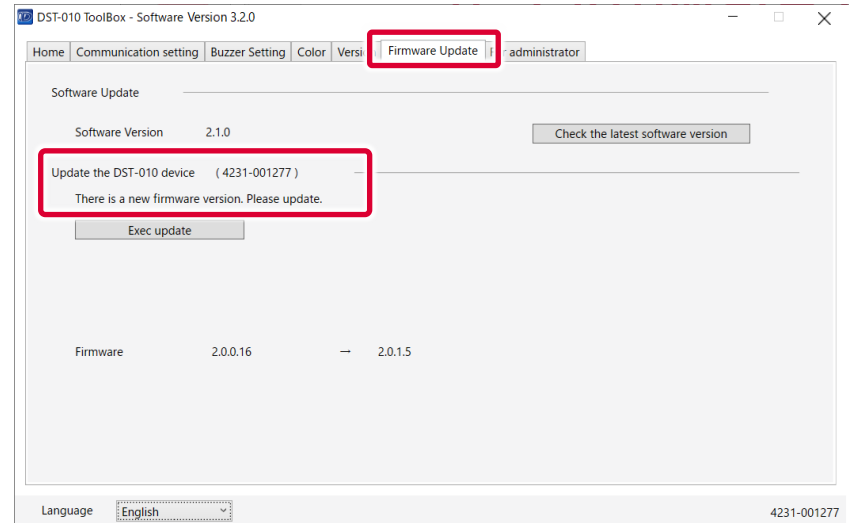


- 5 The DST-010 serial number is displayed in the “Connecting DST-010” field.



4. Firmware Updating

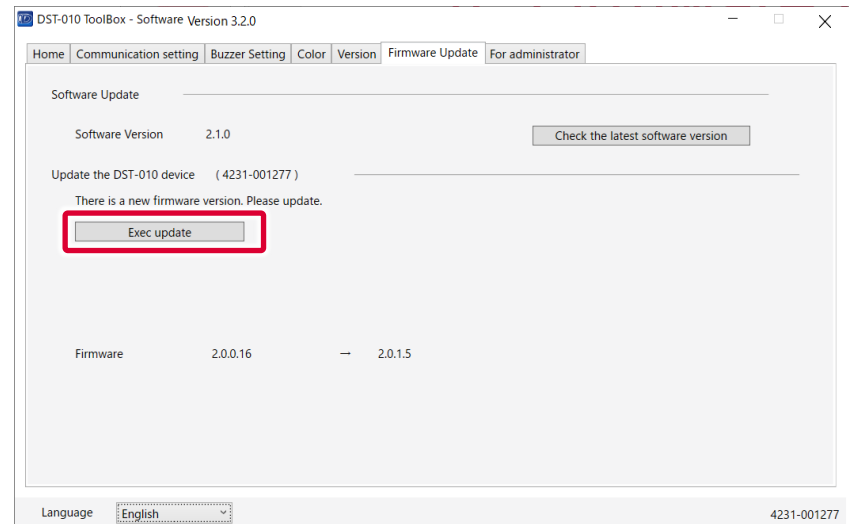
- Click the “Firmware Update” tab and check update information.



- Click the [Exec update] button.

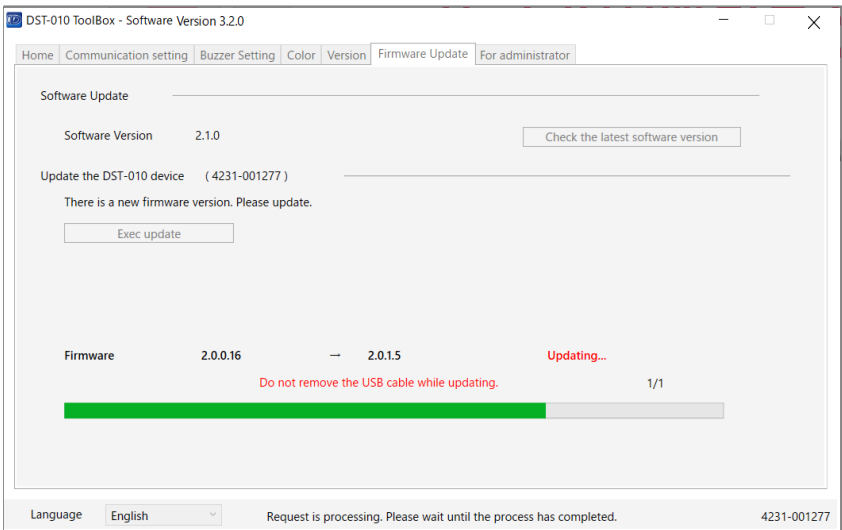
[Tips]

When the latest firmware has already been loaded in DST-010 or when the latest firmware is not installed in the PC, the [Exec update] button is grayed out, and unable to click.



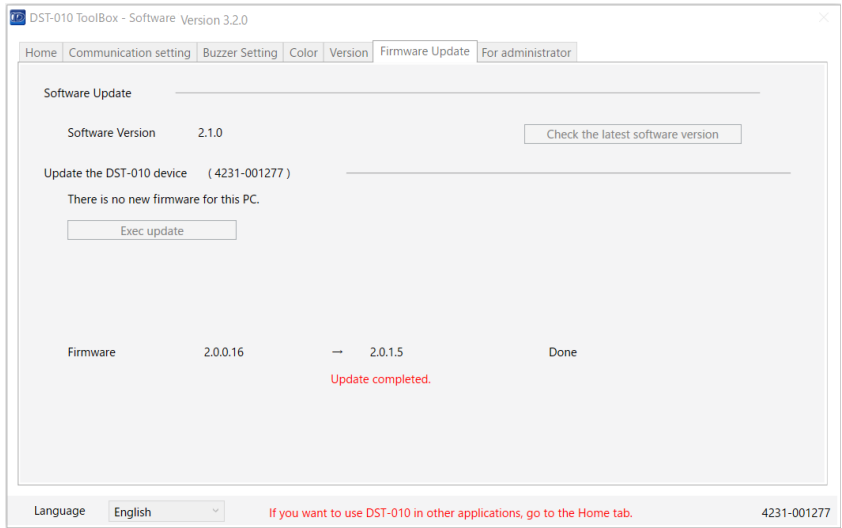
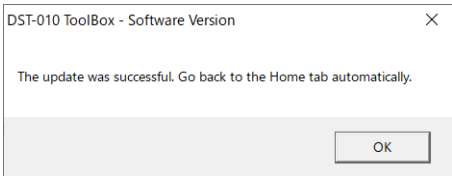
4. Firmware Updating

8 Wait until the update is completed.



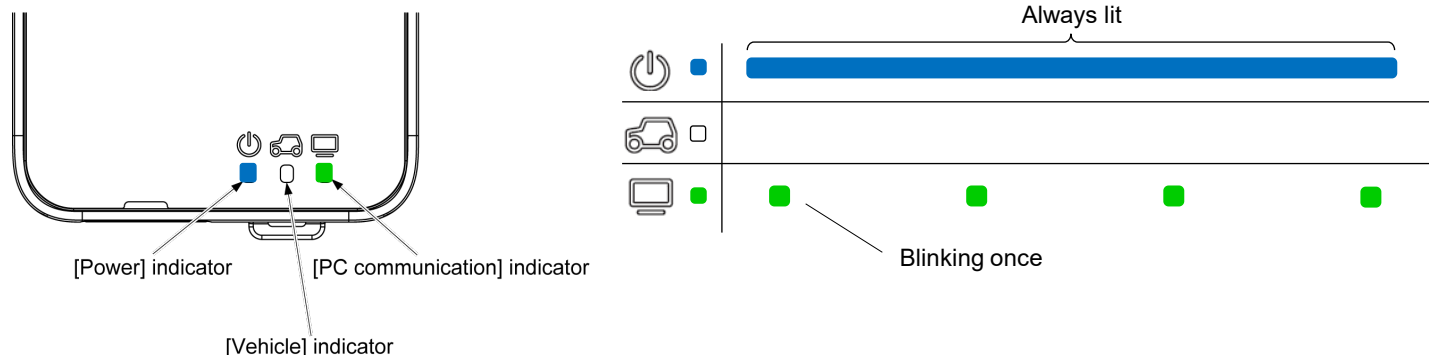
4. Firmware Updating

9 The firmware has been updated to the latest version.



4. Firmware Updating

- 10** DST-010 automatically reboots when the update is completed.
The following indicator lighting pattern appears.



[Important]

Firmware updates can occur at irregular intervals.

For the most recent update information, see the following Web page.

<https://www.ds3.denso.co.jp/SIHAN/DN-DST-010/index.html>

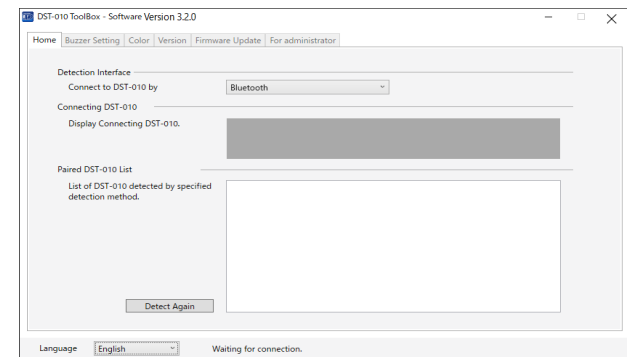
5. How to Use ToolBox

- 1 Connect DST-010 to the PC using the USB cable.

- 2 Open “DST-010 ToolBox” from the Start menu.



- 3 The Home screen (with the Home tab opening) of ToolBox is displayed.



[Tips]

When ToolBox is started, an icon will appear in the task tray on the lower right of your PC screen.



DST-010 is
connected

or

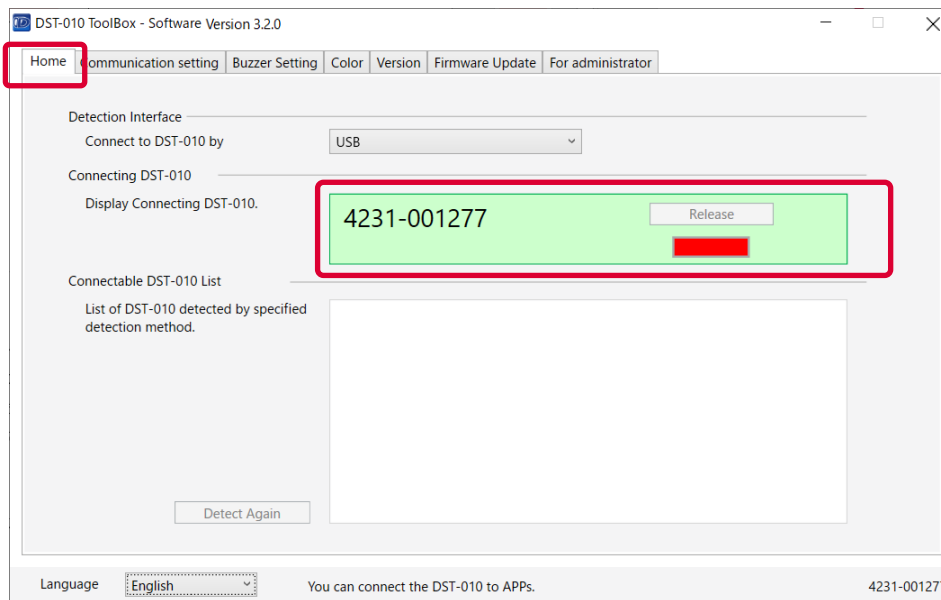


DST-010 is
not connected

5-1. Connecting DST-010 with PC (Home tab)

Connection check

Use the Home tab to connect the PC and DST-010.
The connected DST-010 is displayed as follows.



[Caution]

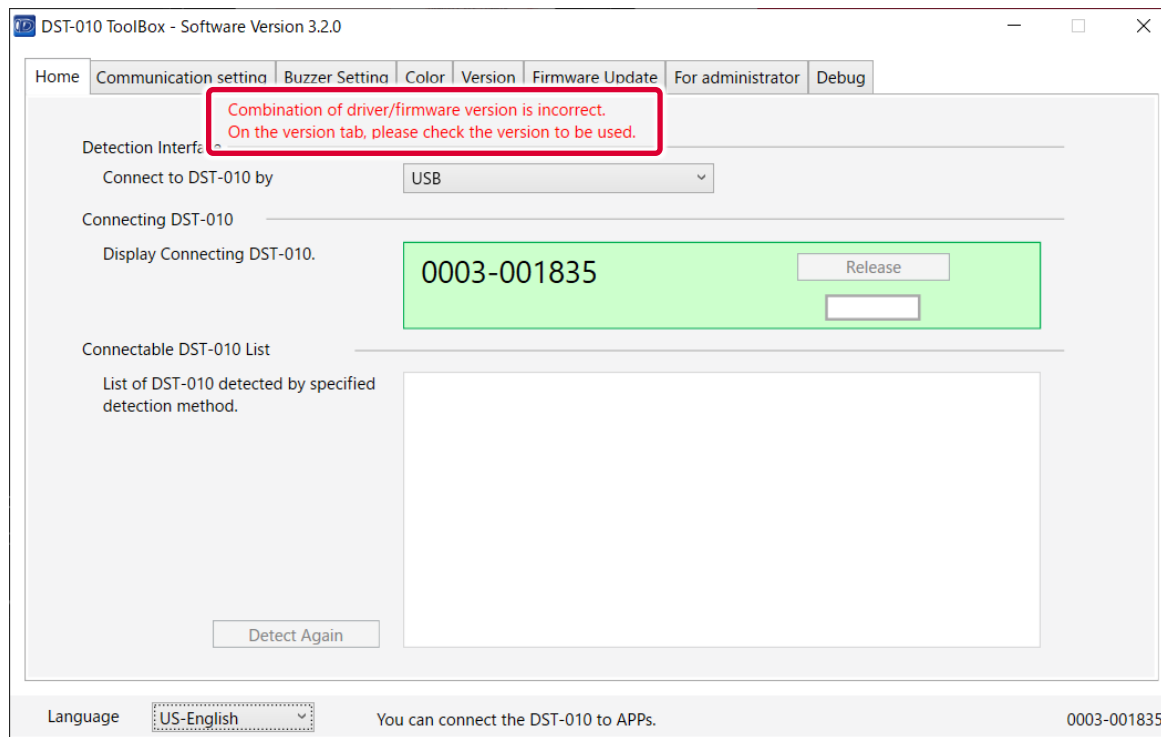
When using DST-010 in the wireless communication method, perform diagnosis with the “Home” tab opened.

If a tab other than the “Home” tab is opened, communication with the vehicle is disabled.

5-1. Connecting DST-010 with PC (Home tab)

Notes on Installer Ver.3.2.0 and Later

From installer Ver.3.2.0 onward, a warning will be displayed when the PC is connected to the DST-010 unit if the driver and firmware are not correctly matched.

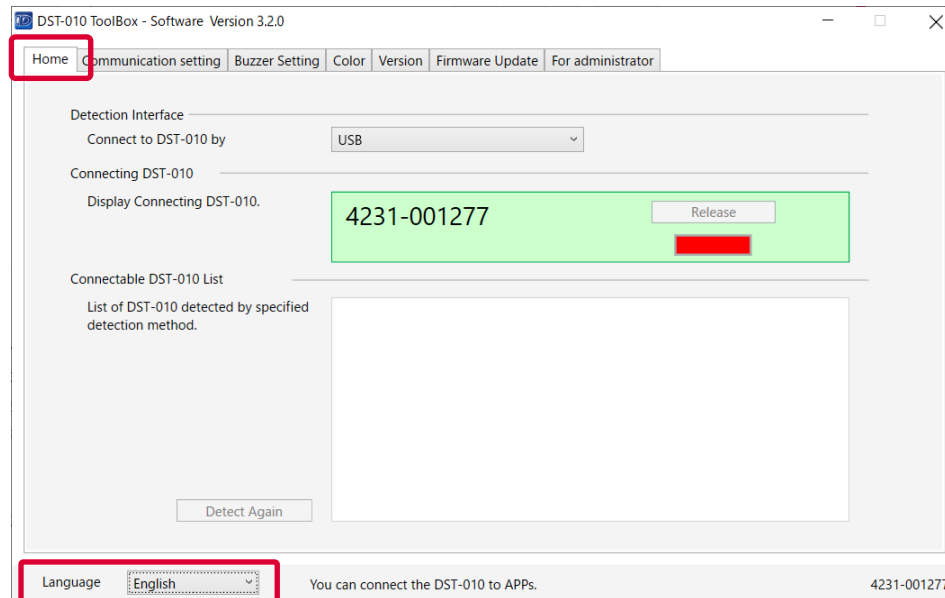


[Caution] If a warning appears, please check the firmware version of the DST-010 unit and perform an update if necessary.

5-1. Connecting DST-010 with PC (Home tab)

Selecting a language

Select Japanese or English.



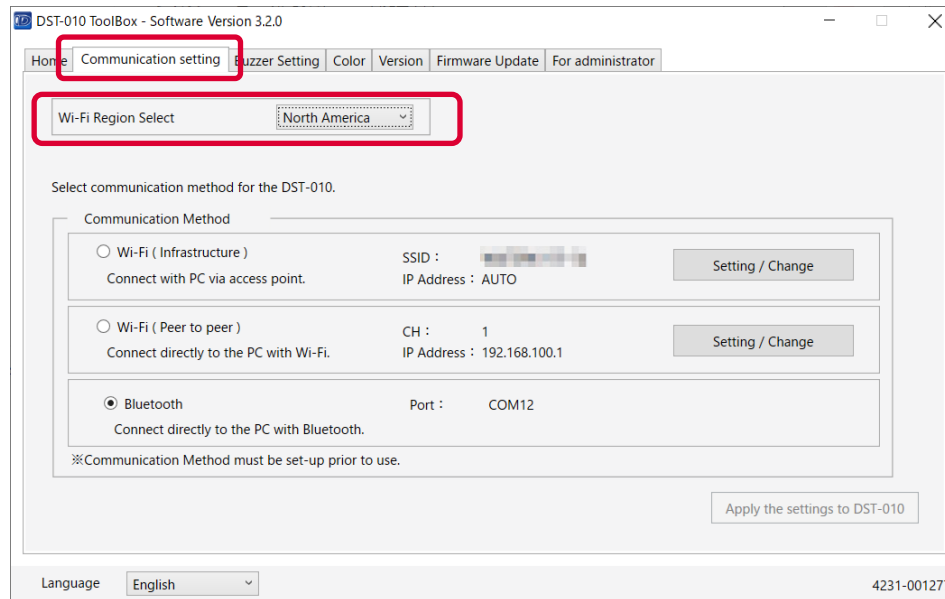
[Caution]

Reboot “DST-010 ToolBox” to apply the selected language.

5-2. Communication Method Setting (Communication setting tab)

Selecting a place/country to use DST-010

Select a region/country where you are using DST-010.



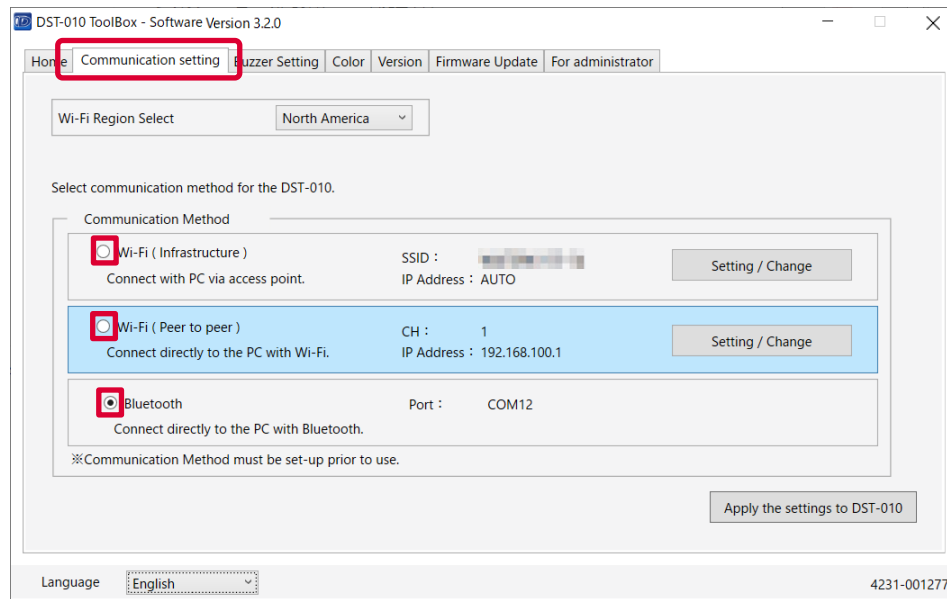
[Caution]

This tab does not appear on the dedicated wired connection model (PINK).

5-2. Communication Method Setting (Communication setting tab)

Setting the communication method to use

Select Bluetooth or Wi-Fi (infrastructure mode or peer-to-peer mode) for the wireless communication method to use.



[Tips]

To select Wi-Fi, complete Wi-Fi setting beforehand.

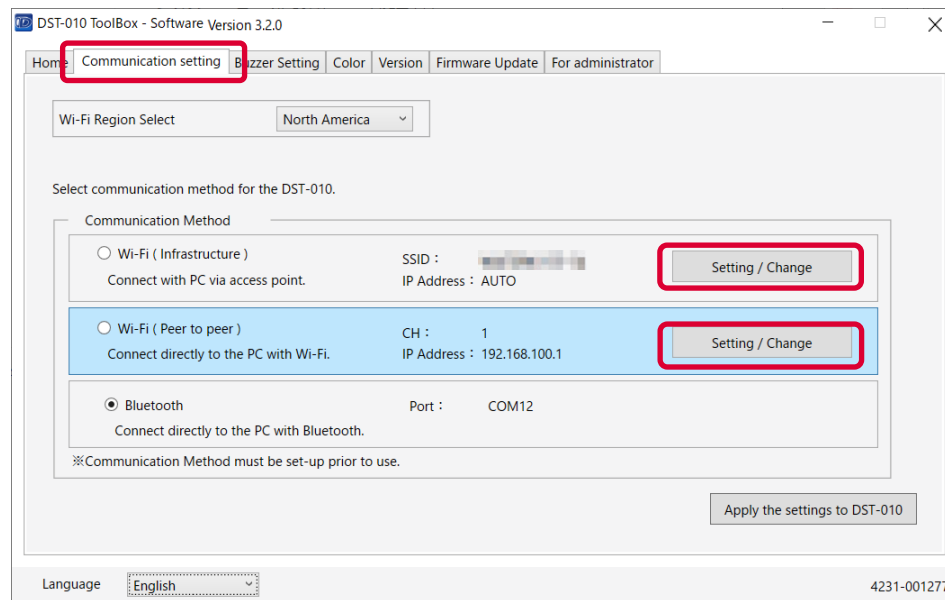
You can only select a communication method that has already been set up.

5-2. Communication Method Setting (Communication setting tab)

Setting the communication method to use

To select Wi-Fi, click “Setting/Change” to set Wi-Fi.

Refer to “7. Settings for Wireless LAN Communication” for more details on setting.



5-2. Communication Method Setting (Communication setting tab)

Reference: DST-010 connection status check

You can check the DST-010 connection status with the icon in the task tray.



- Applies to Wi-Fi, Bluetooth, and USB



Connected



Not connected

* The icon is updated to indicate the current status.

[Tips]

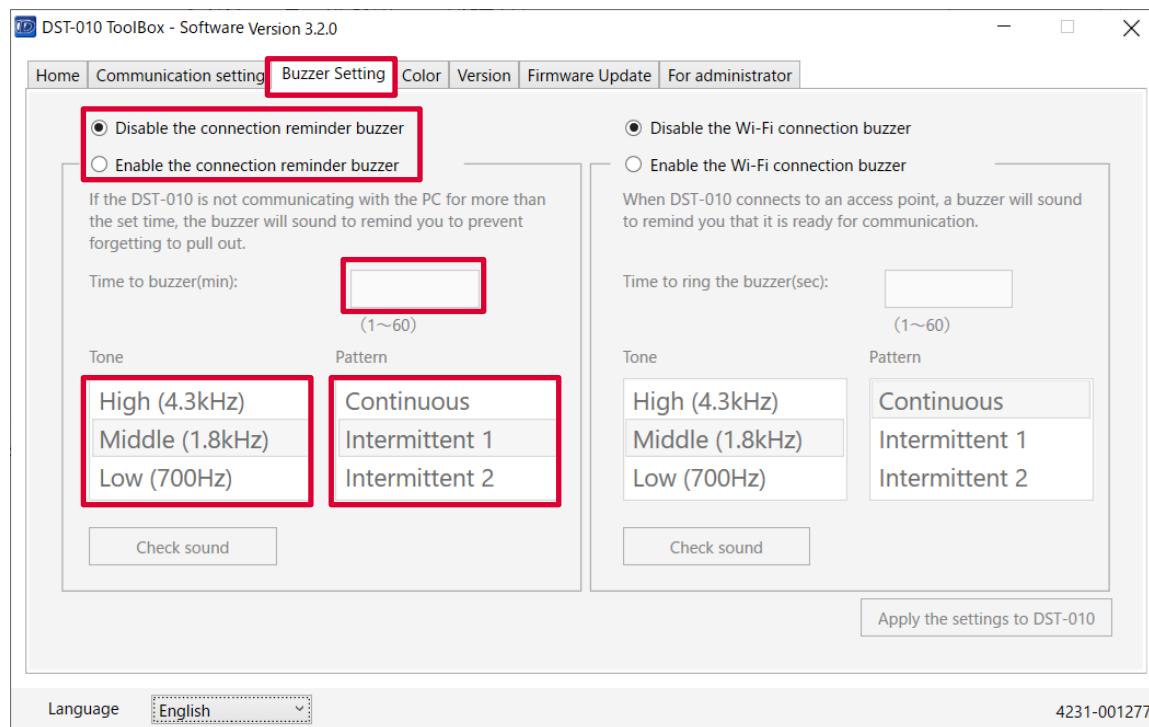
- DST-010 uses the last communication setting utilized, unless you change the communication method setting.
- When the PC is connected through the USB cable, the USB communication is applied.

5-3. Settings for Buzzer Notification Function (Buzzer Setting tab)

Setting the connection reminder buzzer notification function

A buzzer sounds when the communication between DST-010 and the PC has stopped.

Configure desired settings such as the time until a buzzer sounds.

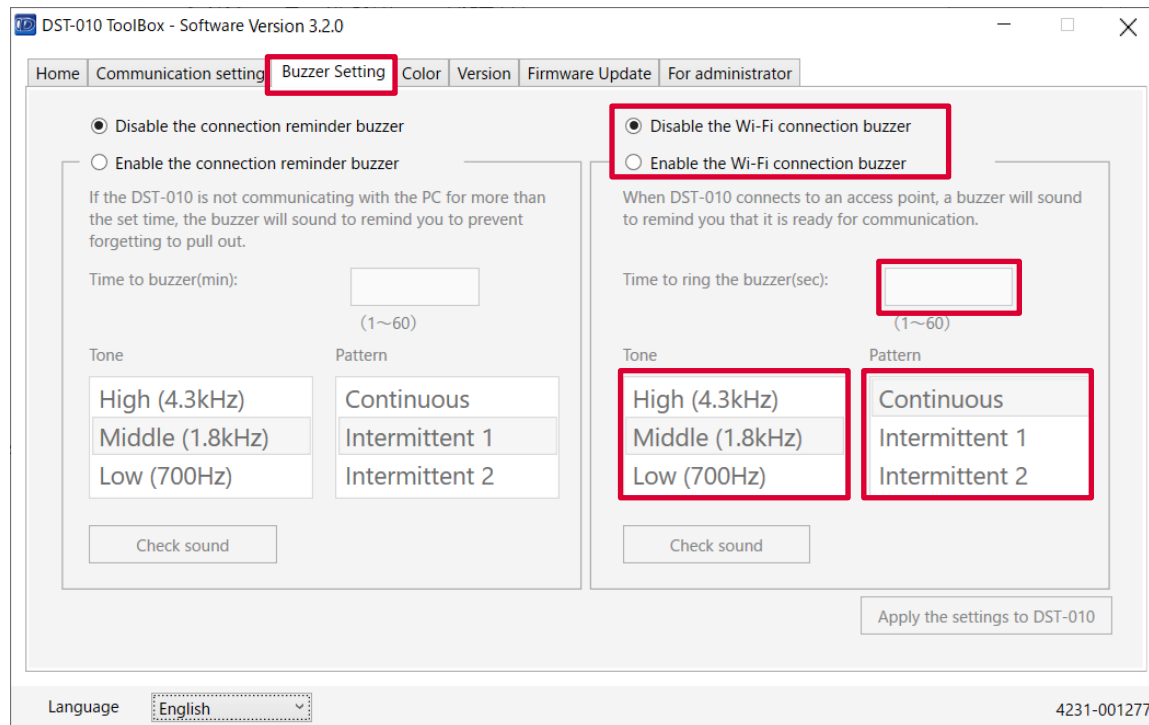


5-3. Settings for Buzzer Notification Function (Buzzer Setting tab)

Setting the Wi-Fi connection buzzer notification function

A buzzer sounds when DST-010 connects to Wi-Fi.

Configure desired settings such as the time until a buzzer sounds.



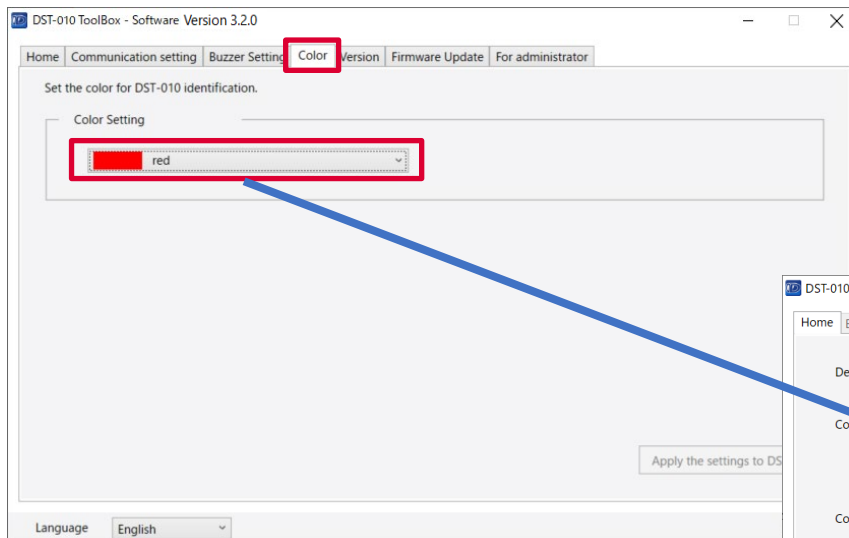
5-4. Settings for Identification Color (Color tab)

Setting an identification color

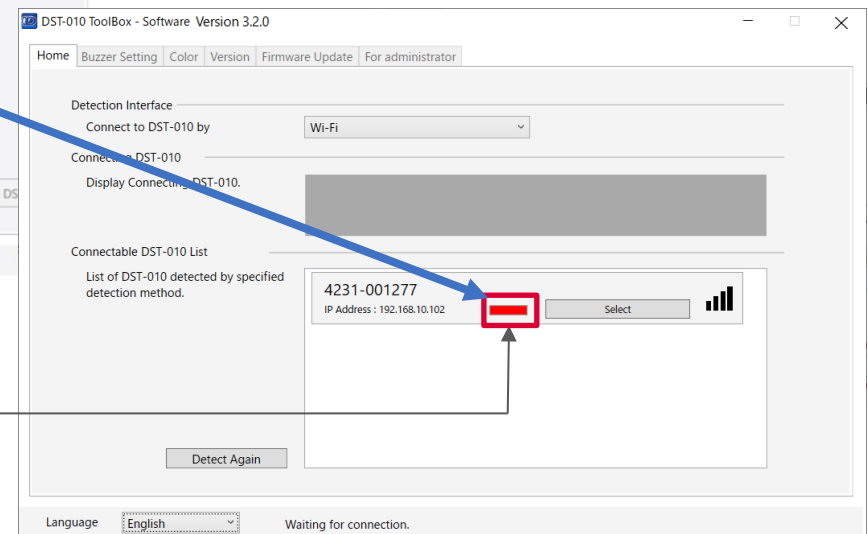
You can set a color (9 colors in total) for identifying a DST-010 in use from other DST-010 devices.

The set color is displayed on the dashboard screen.

<Color tab>



<Home tab>

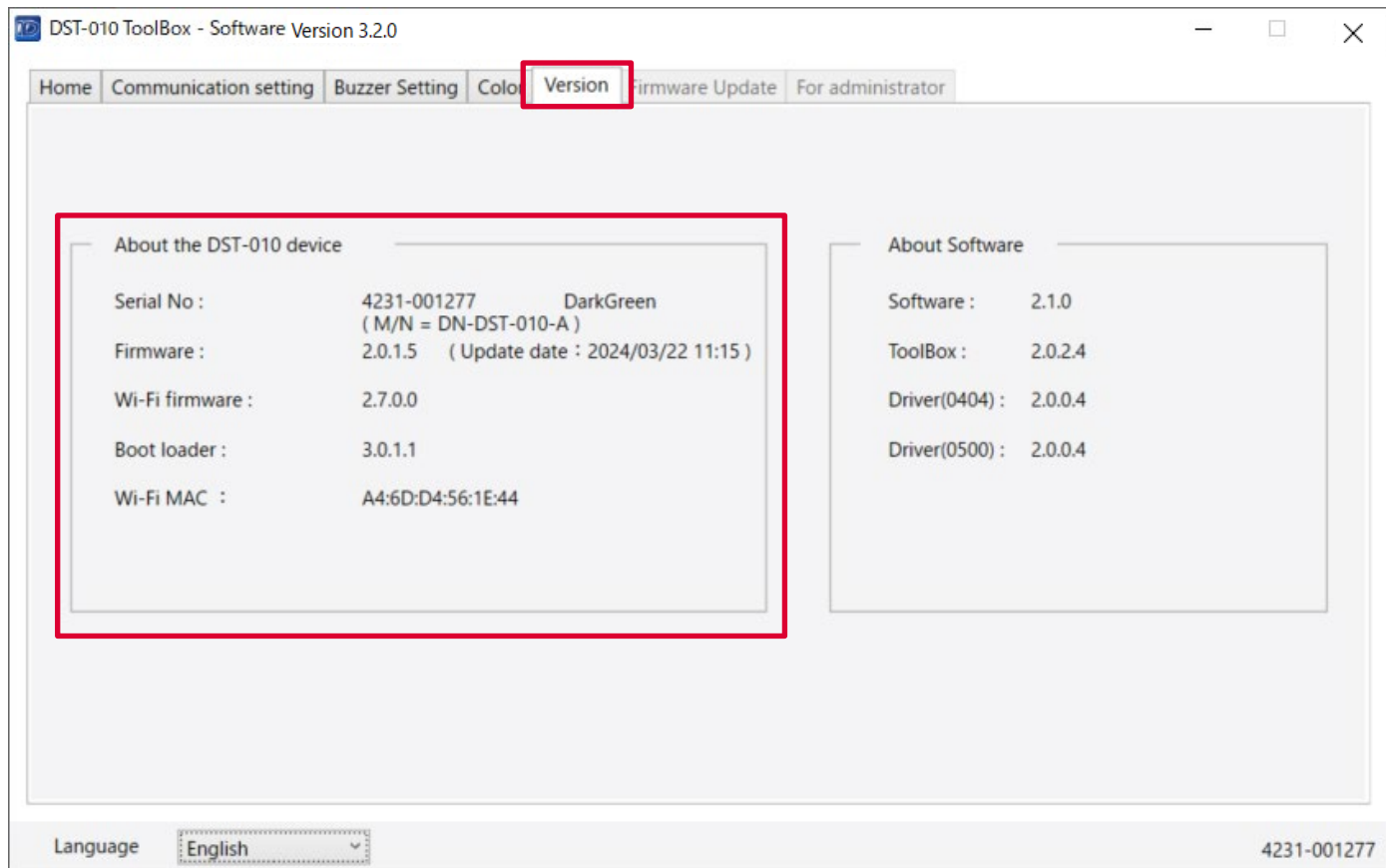


The set color is displayed.

5-5. Device Information Check (Device info tab)

Information on DST-010

Information on DST-010 is displayed.



6. Settings for Diagnosis Software Communication Interface

Selecting communication interface

- Activate the diagnosis software and select DST-010 as the communication interface.

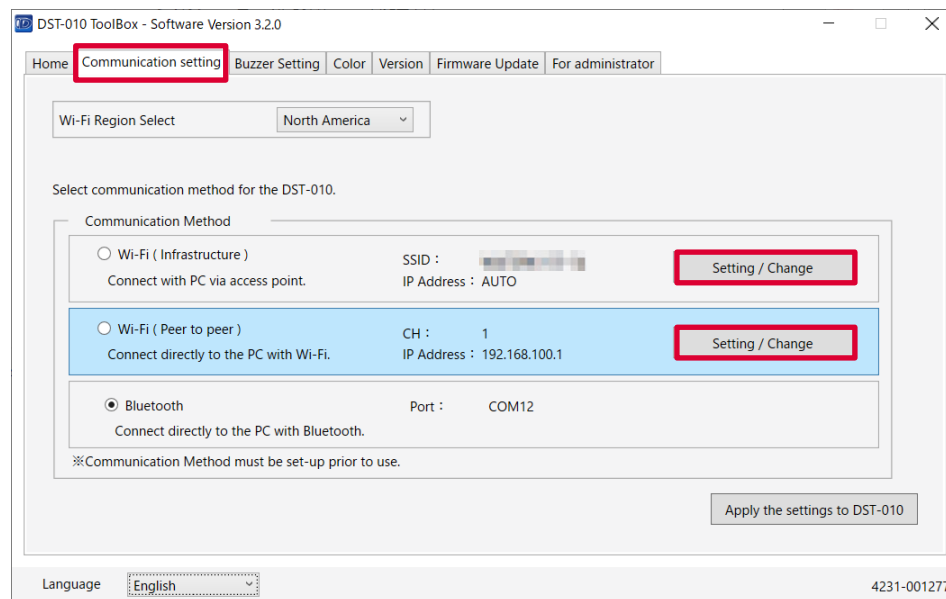
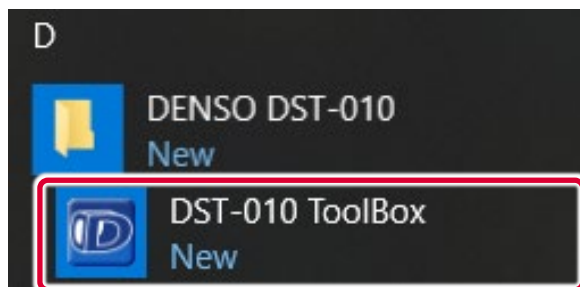
Refer to “Diagnosis software manual” for method of setting.

[Caution]

- To use DST-010 via the wireless communication method, activate “DST-010 ToolBox” with the “Home” tab opened.
- When DST-010 and the PC are connected through the USB cable, the USB communication is applied.
- If a tab other than the “Home” tab” of “DST-010 ToolBox” is opened, communication with the vehicle cannot be performed in any communication method.

7-1. Settings for Wireless LAN Communication Performed by DST-010

- 1 Open “DST-010 ToolBox” from the Start menu and configure settings necessary for wireless communication with DST-010.

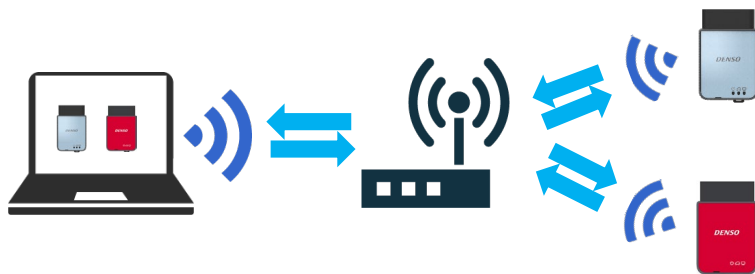


[Caution]

Please refer to wireless LAN adapter manual to set up the device.

7-2. Wi-Fi Connection Method

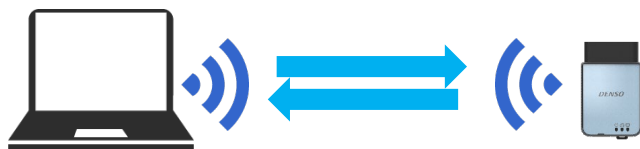
Infrastructure mode



This method allows each device to be connected via an access point (AP) or a router.

The PC selects a DST-010 to connect when multiple DST-010 are connected to one access point.

Peer-to-peer mode



This method enables communication between peer entities, and is one-to-one communication between DST-010 and the PC.

7-3. Connecting DST-010 with PC in Infrastructure Mode

Infrastructure Mode Setting Overview

- 1 Connect DST-010 to an access point.



Power on the DST-010 in the infrastructure mode.

⇒ The infrastructure mode needs to be set as the communication method before the start of DST-010.

Set an access point to connect

⇒ Register the access point beforehand using ToolBox.

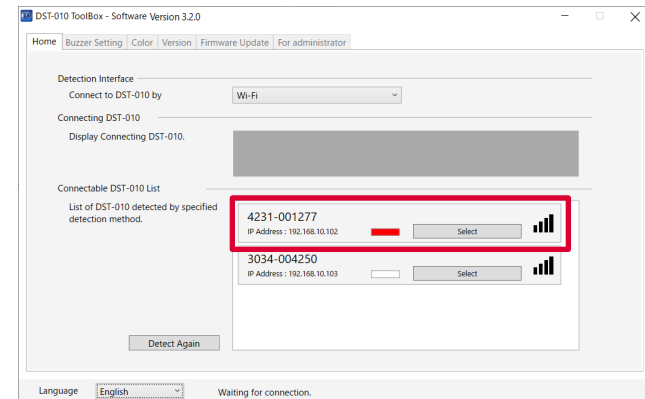
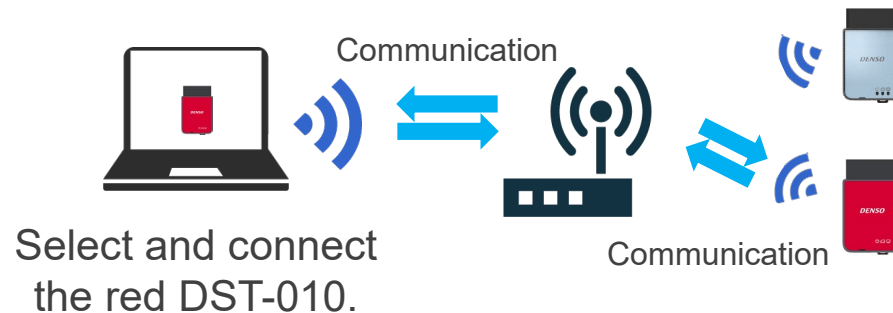
-
- 2 Connect the PC to the access point.



Connect the PC to the access point from the Windows task bar.

Infrastructure Mode Setting Overview

- 3 Select a DST-010 unit to be communicated with the PC.

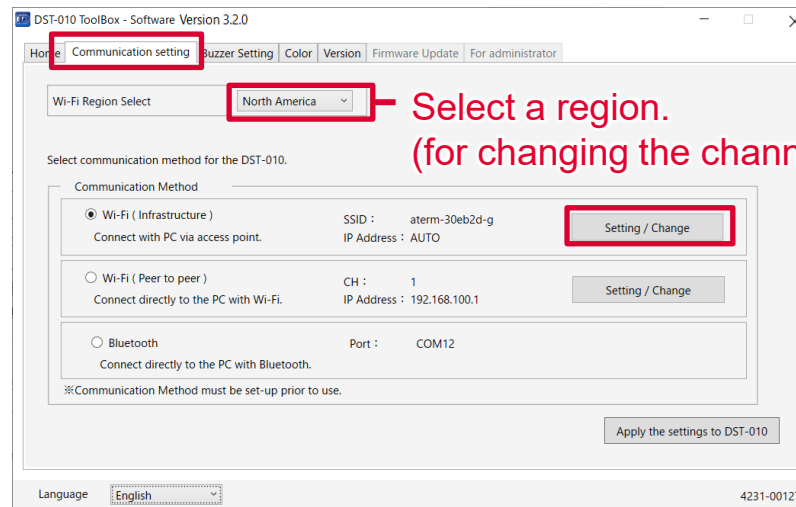


Open “DST-010 ToolBox” and select a DST-010 to connect.

- For connection in the infrastructure mode,
- (1) Set DST-010 to the infrastructure mode;
 - (2) Connect DST-010 to an access point;
 - (3) Connect the PC to the access point; and
 - (4) Open “DST-010 ToolBox” and connect to DST-010.

Configuring Settings Necessary for Infrastructure Connection

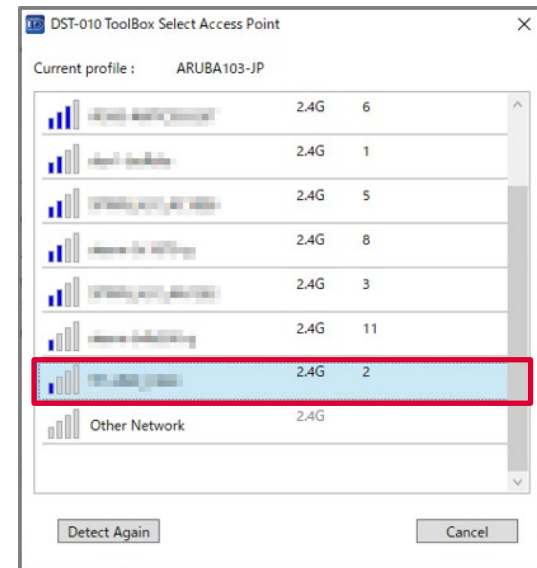
- 1 Connect DST-010 to the PC through the USB cable.
- 2 Open “DST-010 ToolBox” from the Start menu.
- 3 Select the “Communication setting” tab to display the setting screen.



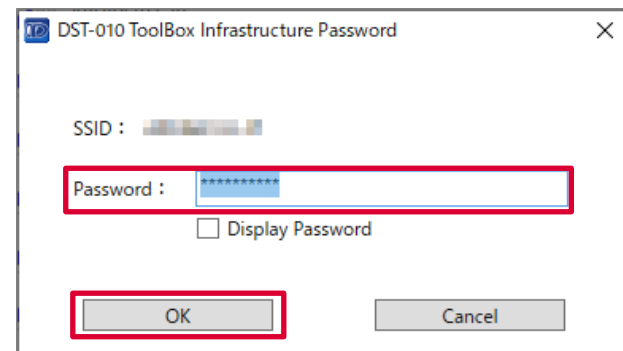
- 4 Select “Wi-Fi (infrastructure)” and click “Setting/Change”.

Setting Access Point to Connect DST-010

- 1 Select an access point for DST-010 to connect to.



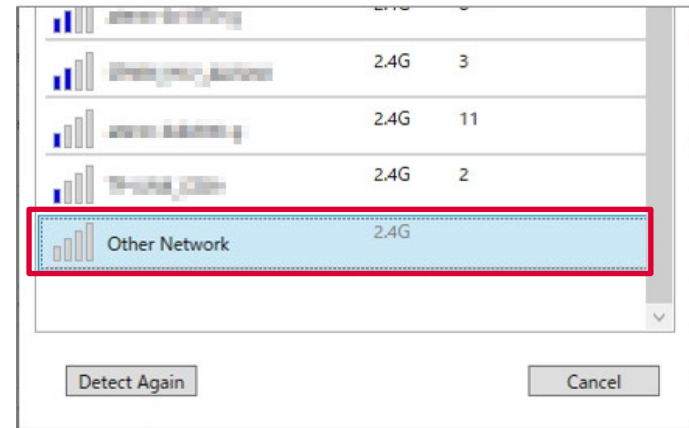
- 2 Enter the password for connecting the access point, then click "OK".
(Use the password for the selected access point.)



Reference: Connecting with Stealth Access Point

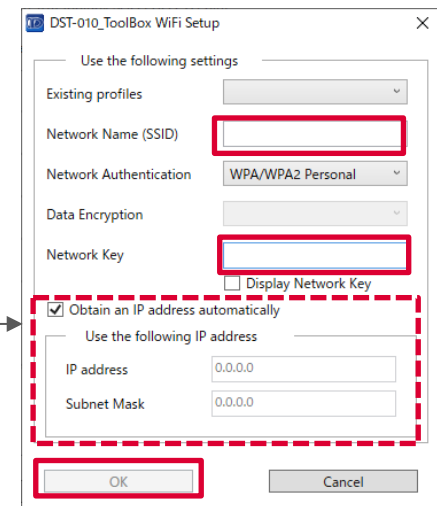
How to connect with a stealth access point

1 Select “Other Network”.



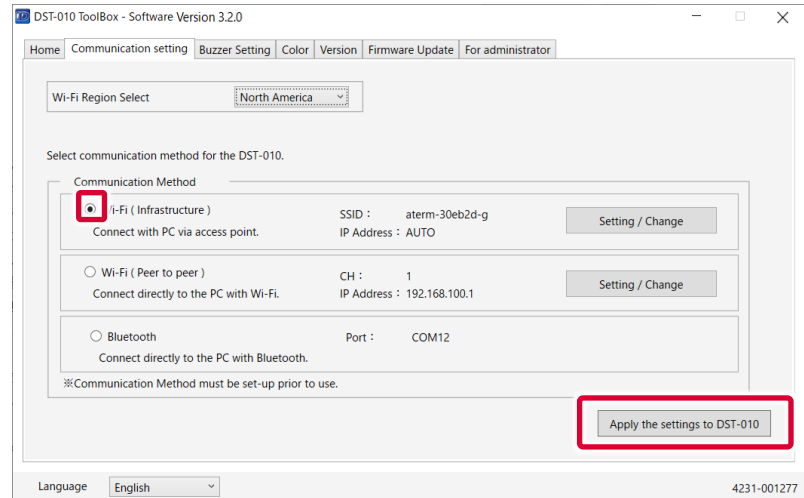
2 Enter the access point name (SSID) and the password, then click “OK”.

If using a fixed IP address, set the IP address of DST-010.
(Ask the IT administrator about the setting value.)

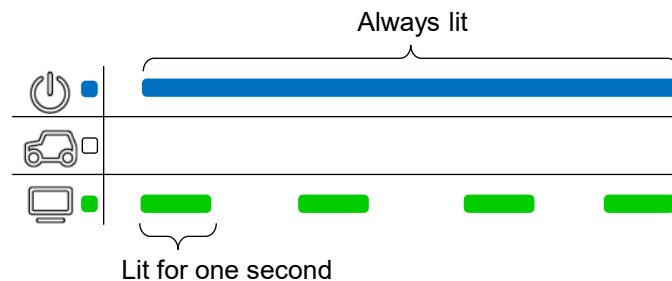
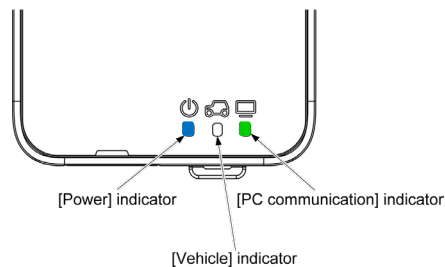


Setting DST-010 to Infrastructure Mode

- 1 On the “Communications setting” tab, select “Wi-Fi (Infrastructure)” and click “Apply the settings to DST-010”.




- 2 DST-010 automatically reboots. Then, check the indicator lighting status.




- 3 DST-010 is changed to the infrastructure mode.

When you power on the DST-010, it automatically connects to the access point that has been set, unless you change the setting.

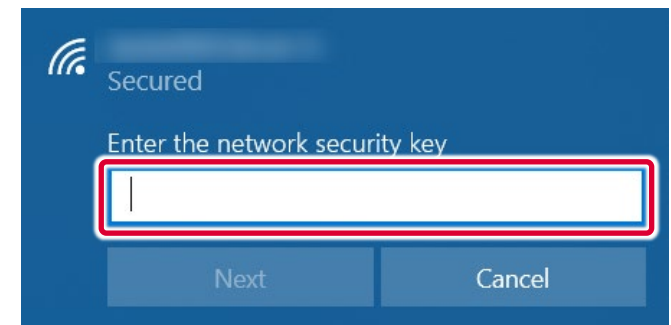
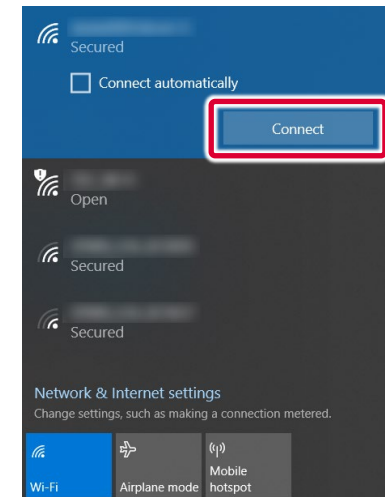
Connecting PC to Access Point

- 1 Click the icon in the task bar and select a desired access point. 

[Tips]

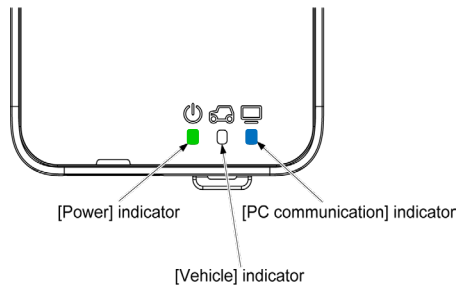
When using Ethernet by connecting the LAN cable to the PC, the  mark is displayed as the network icon.

- 2 Enter the password for the access point to connect the PC to the access point.

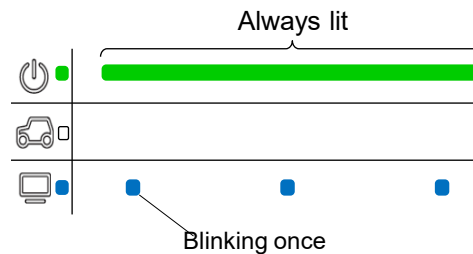


Connecting with PC in Infrastructure Mode

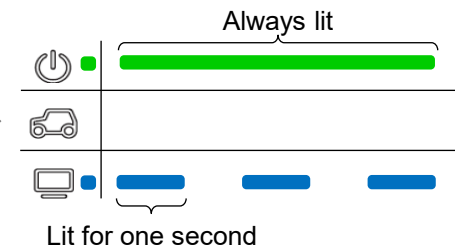
- 1 Disconnect DST-010 from the USB cable and connect it to the diagnosis connector of the vehicle.



- Immediately after connecting to the vehicle's diagnostic connector

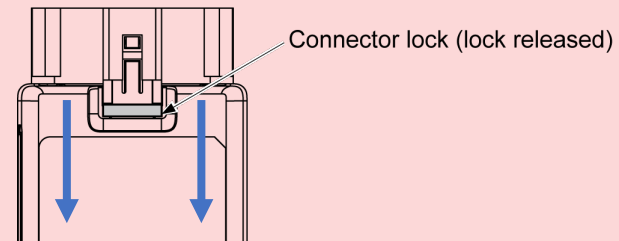


- After completing the connection to the access point



[Caution]

Make sure that the connector lock is unlocked before connecting DST-010 to the vehicle.

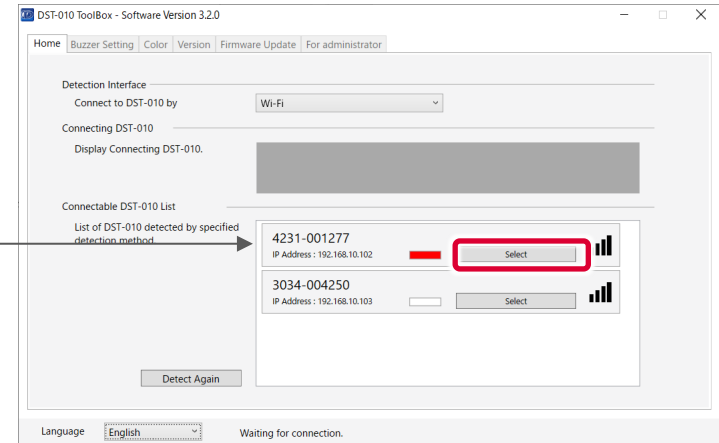


- 2 Turn on the ignition switch or start the engine to display the indicators as follows.

Connecting with PC in Infrastructure Mode

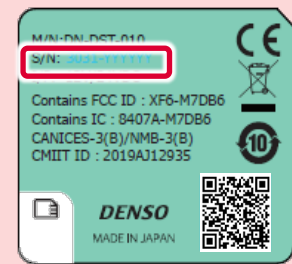
- 3 Open “DST-010 ToolBox” from the Start menu.
Select a DST-010 to connect from the list. Click “Select”.

Select a DST-010 for communication.



[Tips]

- You can see the serial number of DST-010 in the list.
To find the serial number, check the label attached to the back of the DST-010.
- When a DST-010 displayed in the list is connected to another PC, “Connection disabled” appears and selection is not allowed.
All the DST-010 are displayed in the list in the order of 1. “Connection enabled” and 2. “Connection disabled”.

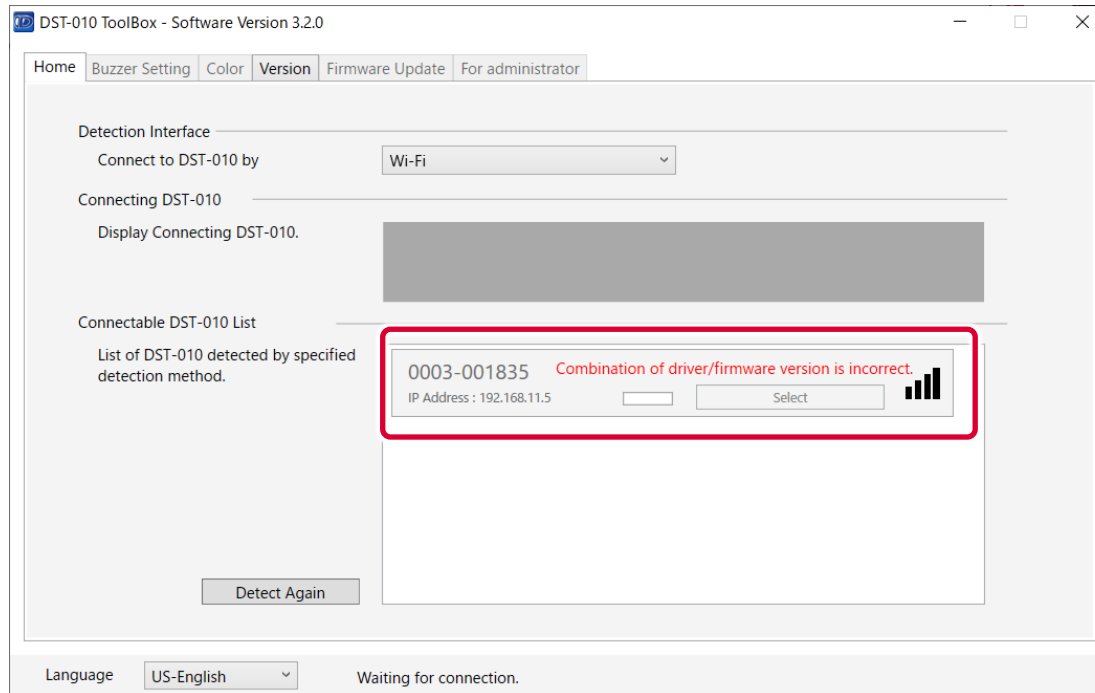


<Label image>

Connecting with PC in Infrastructure Mode

Notes on Installer Ver.3.2.0 and Later

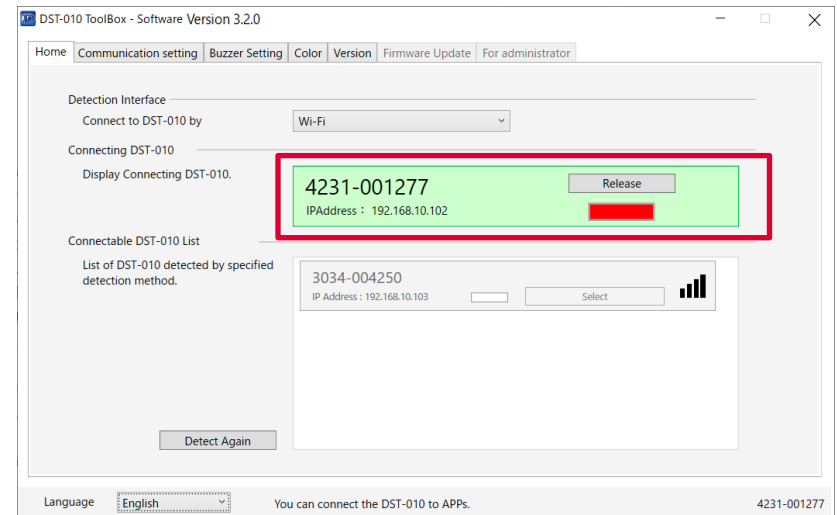
When using a Wi-Fi connection (Infrastructure or Peer to Peer), if the driver and firmware are not correctly matched, a warning will be displayed, the “Select ” button will be grayed out, and connection will not be possible.



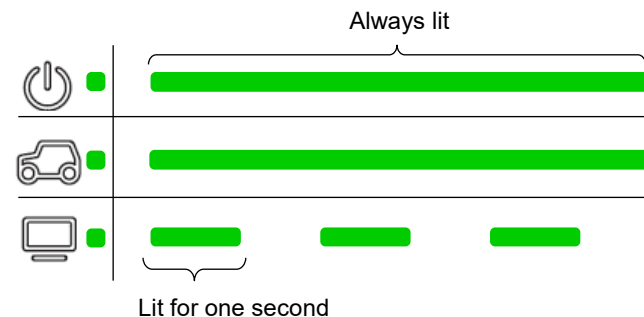
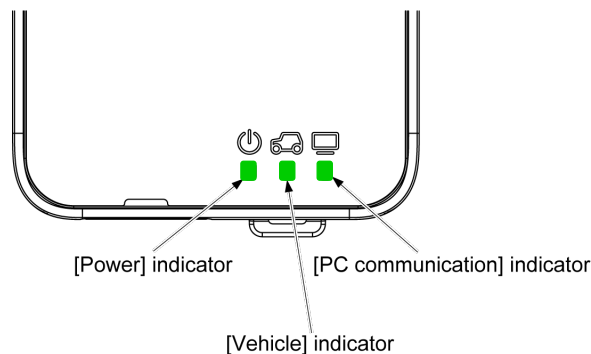
[Caution] If a warning appears, connect the DST-010 unit via USB, check the firmware version, and perform an update if necessary.

Connecting with PC in Infrastructure Mode

- 4** The serial number of DST-010 is displayed in the “Connecting DST-010” field after communication connection with the PC is completed.



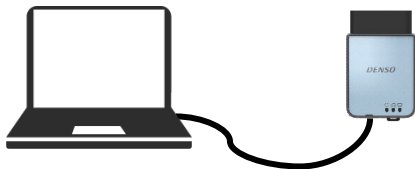
- 5** When all indicators of DST-010 turn into green, you can start diagnosis.



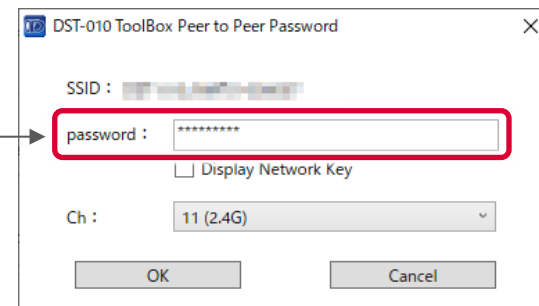
7-4. Connecting DST-010 with PC in Peer-to-Peer Mode

Peer-to-Peer Mode Setting Overview

- 1 Set a desired password to DST-010.



Open “DST-010 ToolBox” and set a desired password.



- 2 Power on the DST-010 in the peer-to-peer mode and connect it with the PC using the set SSID and the password.

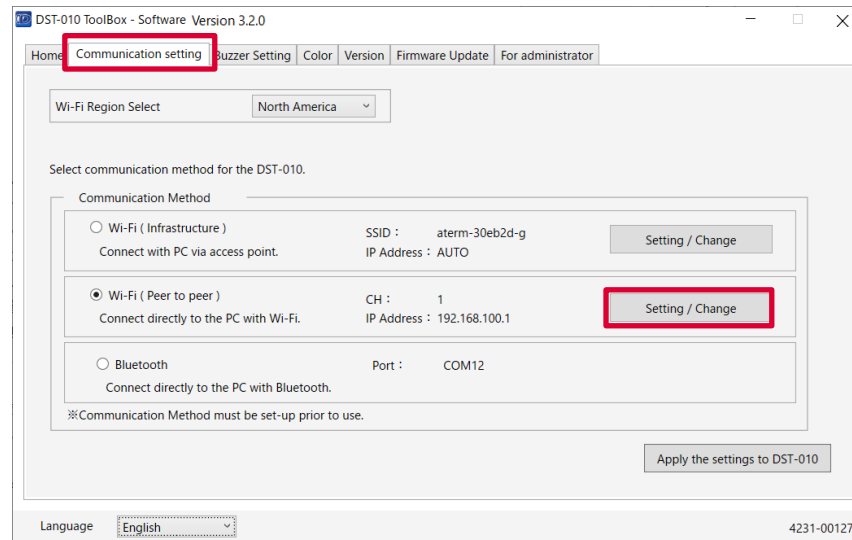


Power on the DST-010 in the peer-to-peer mode.
⇒ The communication method when powering on the DST-010 should be set to peer-to-peer mode beforehand.
SSID: Serial number indicated on the back label
Password: Enter the password that you have set as desired.

For connection in the peer-to-peer mode,
(1) Set a password for DST-010;
(2) Set DST-010 to the peer-to-peer mode.

Configuring Settings Necessary for Peer-to-Peer Connection

- 1 Connect DST-010 to the PC with the USB cable.
- 2 Open “DST-010 ToolBox” from the Start menu.
- 3 Select the “Communication setting” tab to display the setting screen.

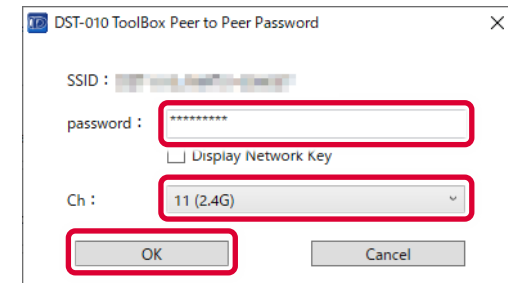


- 4 Select “Wi-Fi (Peer to peer)” and then click “Setting/Change”.

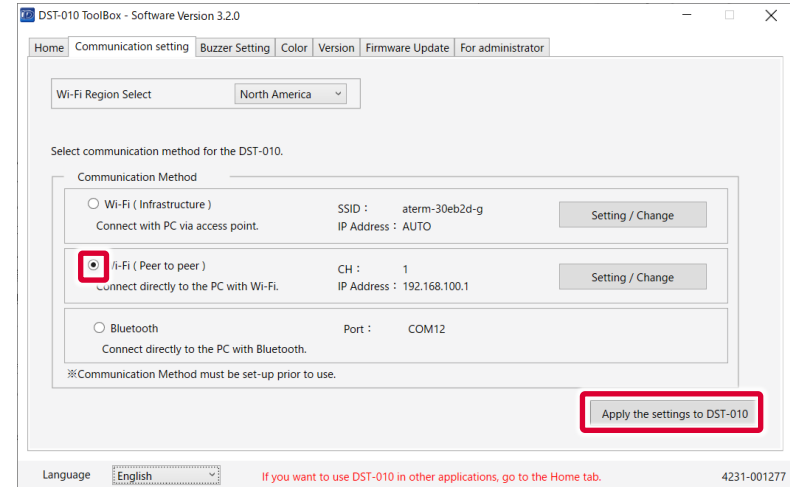
Setting Password and Communication Method at Start

- 1 Set a desired password and click OK.

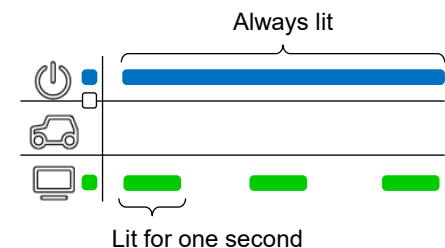
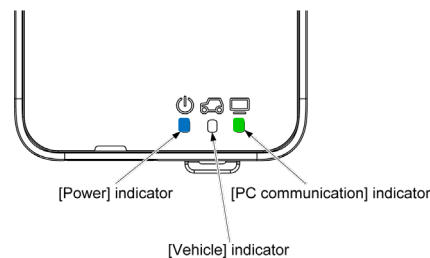
[Tips] For settable password,
see “10. Wi-Fi Specifications”.



- 2 Select “Wi-Fi (Peer to peer)” and click “Apply the settings to DST-010”.

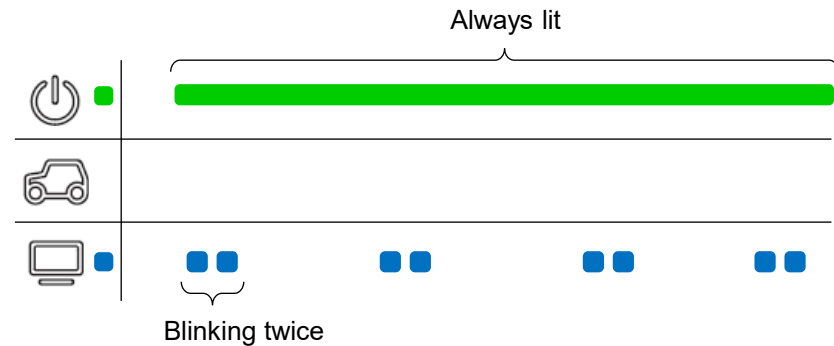
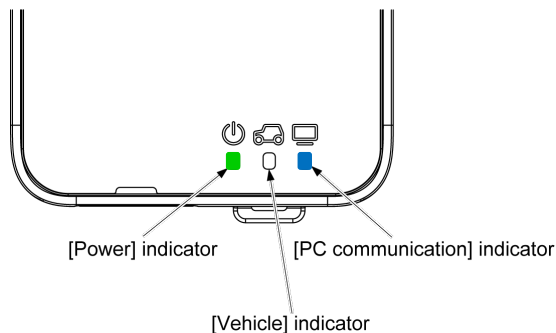


- 3 DST-010 automatically reboots. Then, check the indicator lighting status.



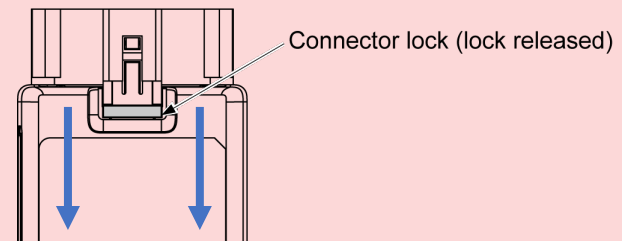
Connecting with PC in Peer-to-Peer Mode

- 1 Disconnect DST-010 from the USB cable and connect to the diagnosis connector of the vehicle.




[Caution]

Make sure that the connector lock is unlocked before connecting DST-010 to the vehicle.




- 2 Turn on the ignition switch or start the engine to display the indicators as follows.

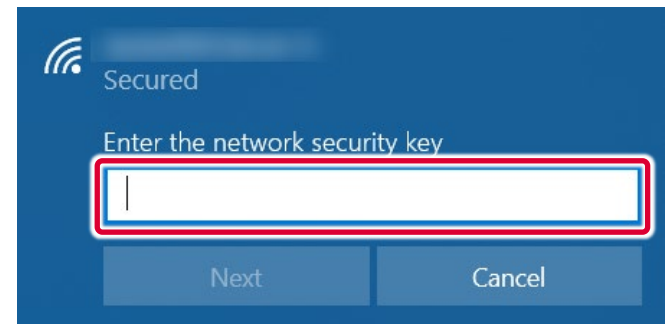
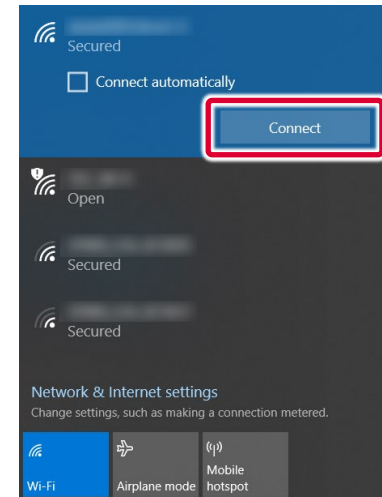
Connecting with PC in Peer-to-Peer Mode

- 3 Click the network icon in the task bar and select the SSID of DST-010 from the displayed access points. 

[Tips]

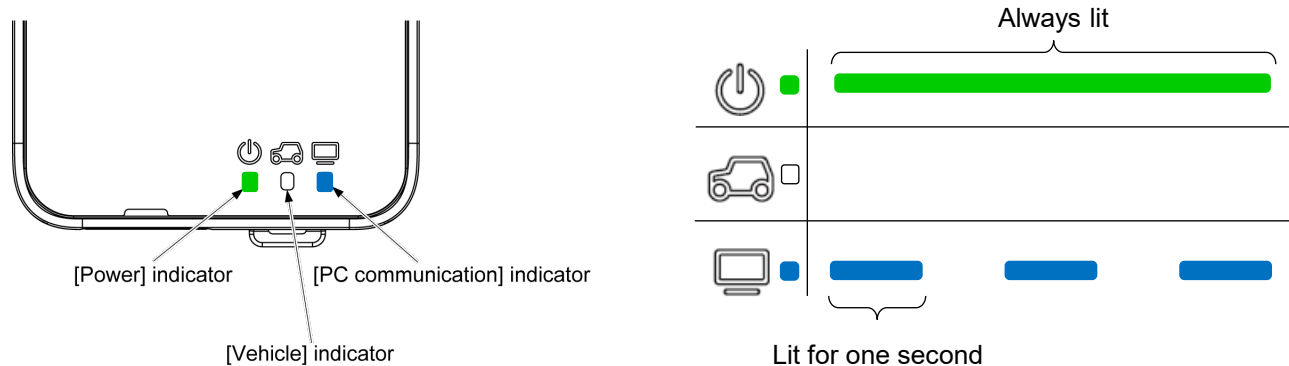
When using Ethernet by connecting the LAN cable to the PC, the  mark is displayed as the network icon.

- 4 Enter the set password.



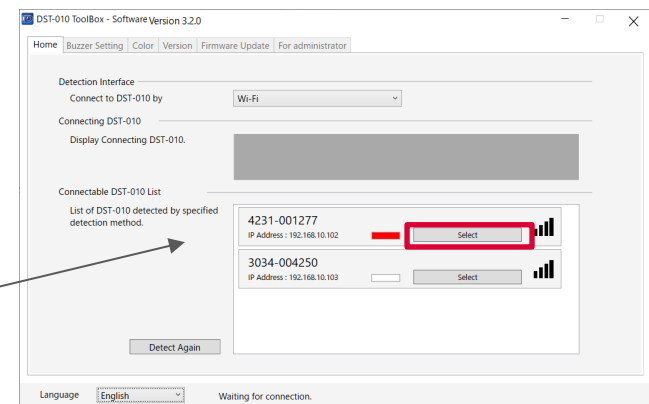
Connecting with PC in Peer-to-Peer Mode

- 5 Connect the PC with DST-010 to display the indicators as follows.



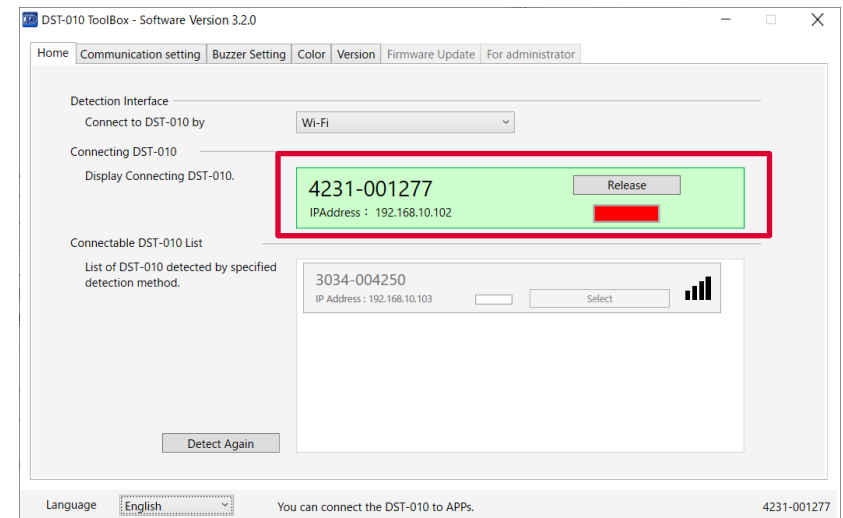
- 6 Open “DST-010 ToolBox” from the Start menu.
Select a DST-010 for communication, and click “Select”.

Select a DST-010 for communication.

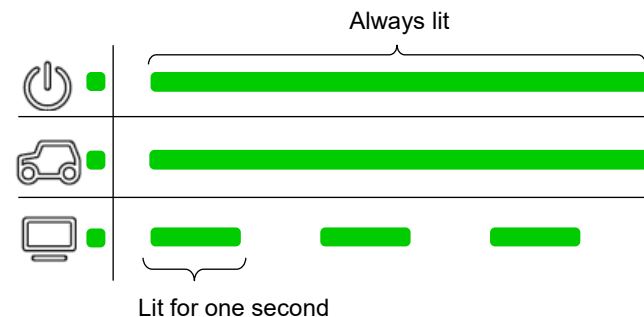
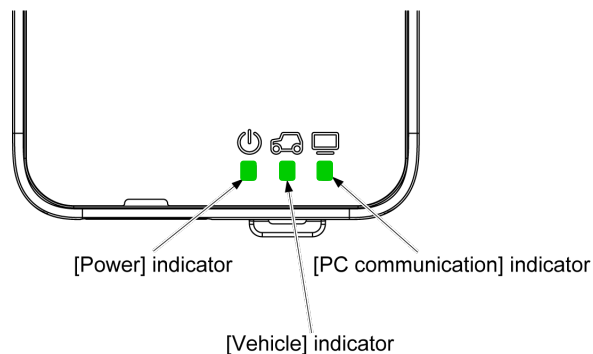


Connecting with PC in Peer-to-Peer Mode

- 7** The serial number of DST-010 is displayed in the “Connecting DST-010” field after communication connection with the PC is completed.



- 8** When all indicators of DST-010 turn into green, you can start diagnosis.



8. Settings for Bluetooth Communication

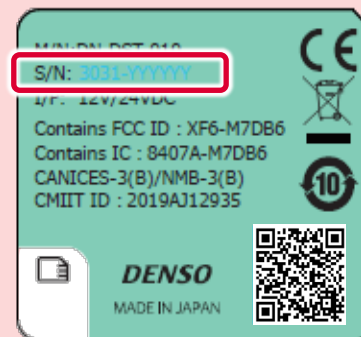
Bluetooth pairing

To communicate with DST-010 by Bluetooth, pairing needs to be executed.
Select Bluetooth in communication method setting, then execute pairing with the PC.
Pairing code: **“0000”**

Device name of this product: **“DST-010_” + “serial number”**
E.g.: “DST-010_3031-YYYYYY”

[Tips]

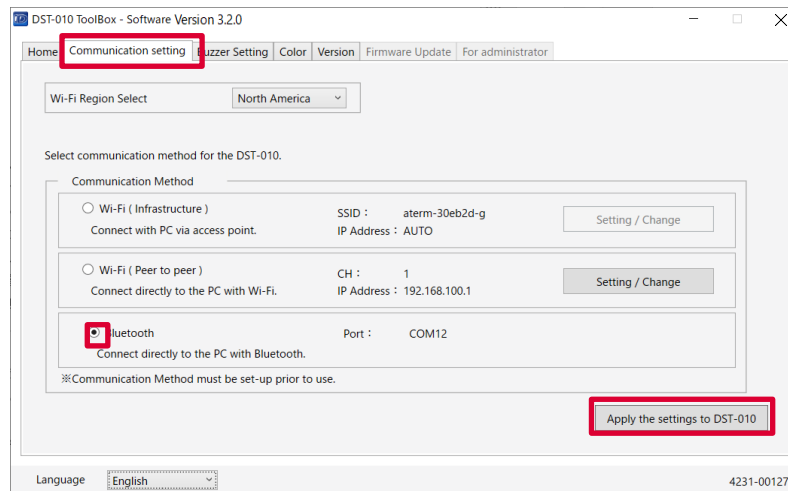
To find serial number, check the label attached to the back of DST-010.



<Label image>

Configuring Settings Necessary for Bluetooth Connection

- 1 Connect DST-010 to the PC with the USB cable.
- 2 Open "DST-010 ToolBox" from the Start menu.
- 3 Select the "Communication setting" tab to display the setting screen.
(When changing from Wi-Fi settings)



- 4 Select "Bluetooth" and click "Apply the settings to DST-010".

[Tips] By default, Bluetooth is selected, so "Reflect settings on DST-010" cannot be clicked. Click on the home tab and start at 5.

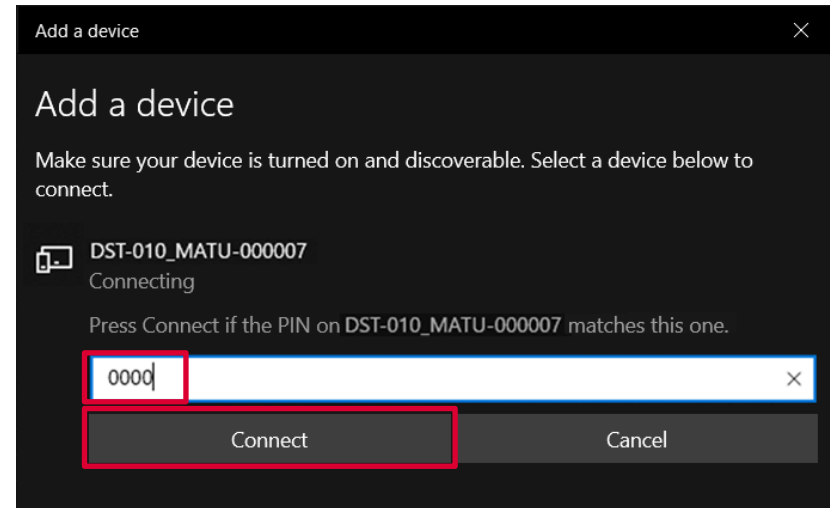
Configuring Settings Necessary for Bluetooth Connection

5 After applying the settings, execute pairing of the PC with DST-010.

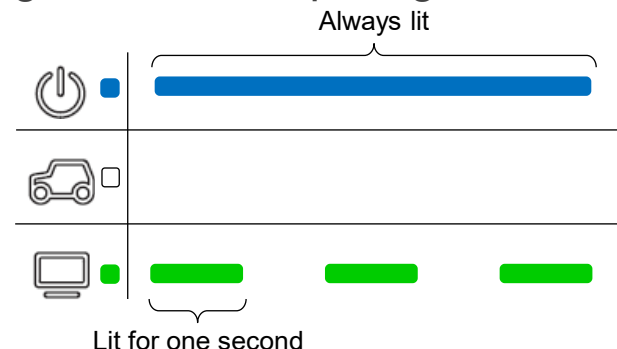
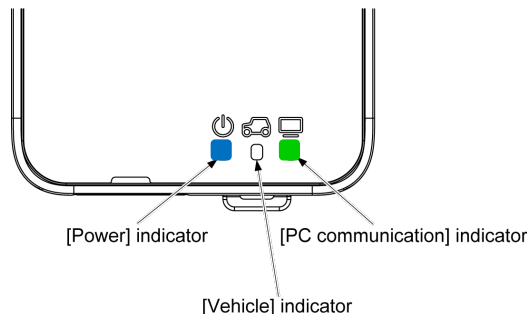
6 Select a DST-010, enter the pairing code, then click “Connect”.

[Tips]

The pairing code is “0000”.



7 The status of the indicators do not change even when pairing has completed.

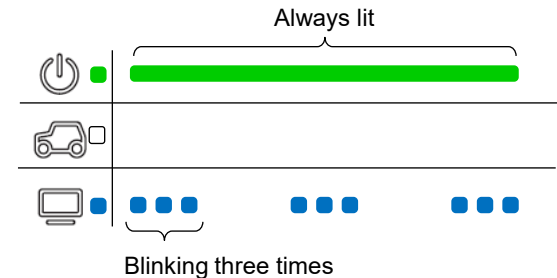
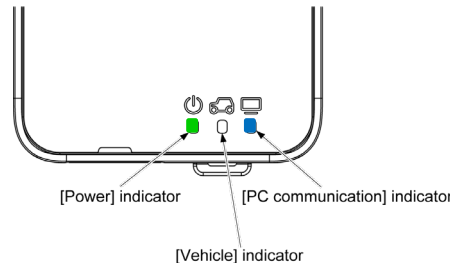


Connecting with PC through Bluetooth Communication

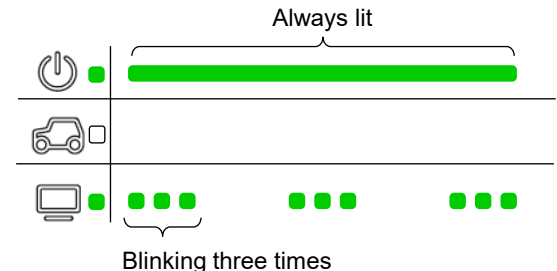
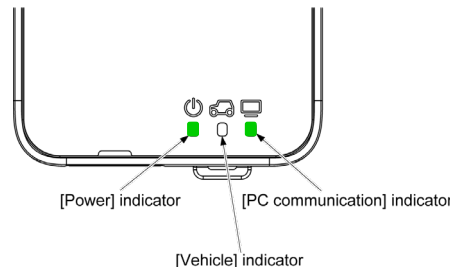
- 1 Disconnect DST-010 from the USB cable and connect it to the diagnosis connector of the vehicle.

- 2 Turn on the ignition switch or start the engine to display either one of the statuses below.

- In the figure to the right, the indicators show that pairing with the PC has not been completed. Execute pairing.



- In the figure to the right, the indicators show that pairing with the PC has completed. Go to the next page.

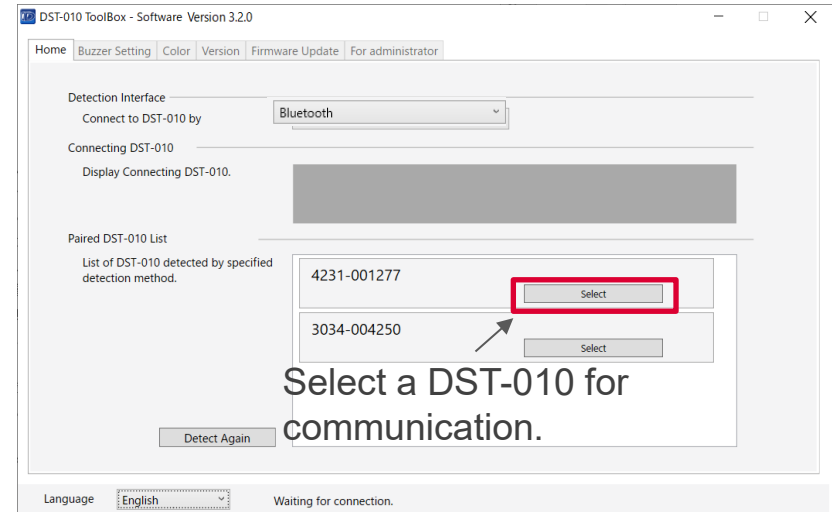


Connecting with PC through Bluetooth Communication

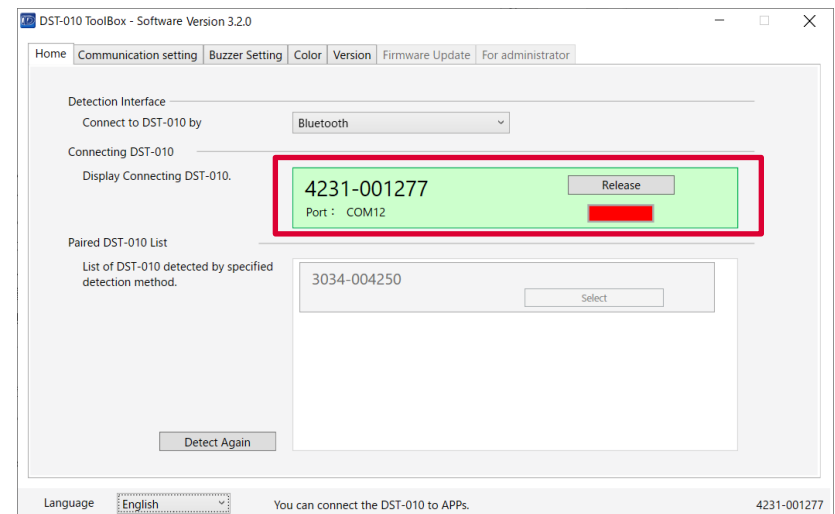
- 3 Open “DST-010 ToolBox” from the Start menu.
Select a DST-010 for communication, and click “Select”.

[Tips]

If no DST-010 for connection appears, execute pairing again.



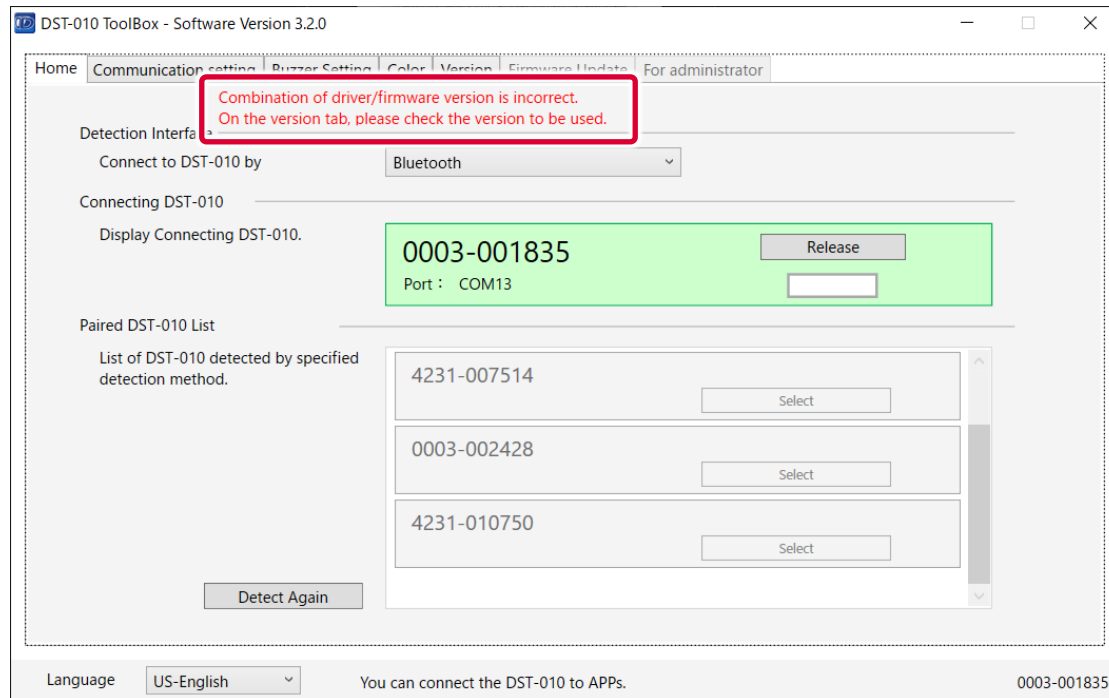
- 4 The serial number of DST-010 is displayed in the “Connecting DST-010” field after communication connection with the PC is completed.



Connecting with PC through Bluetooth Communication

Notes on Installer Ver.3.2.0 and Later

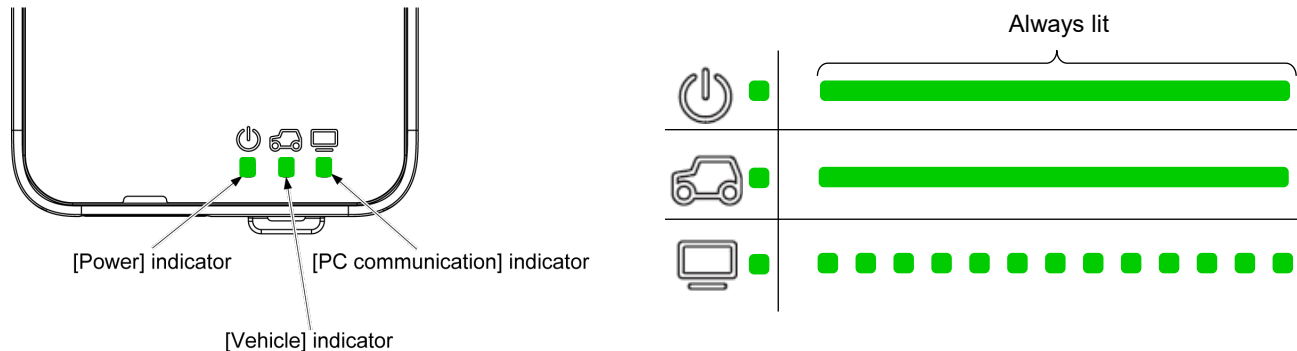
When using a Bluetooth connection,
if the driver and firmware are not correctly matched, a warning will be displayed.



[Caution] If a warning appears, connect the DST-010 unit via USB, check the firmware version, and perform an update if necessary.

Connecting with PC through Bluetooth Communication

- 5** When all indicators of DST-010 turn into green, you can start diagnosis.

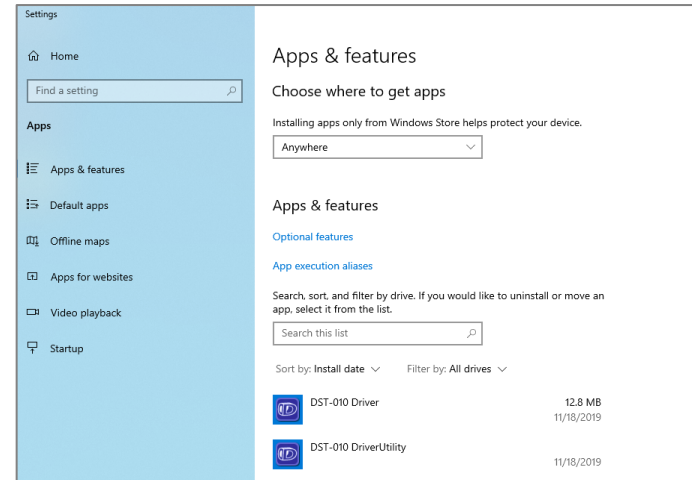


[Tips]

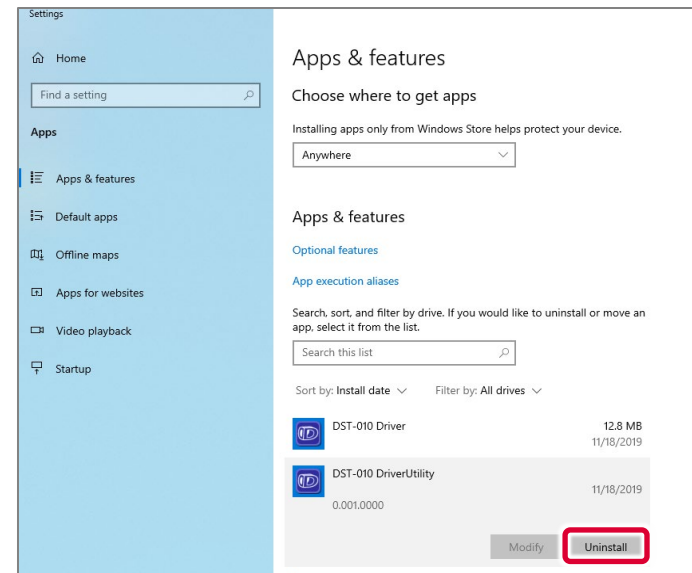
DST-010 remembers the paired PC, so pairing is not required again. However, only one PC can be stored, thus, when you want to change the PC, pair with the new PC.

9. Uninstalling Software

1 Click [Start]  → [Settings]  → [Apps] → [Apps & features].

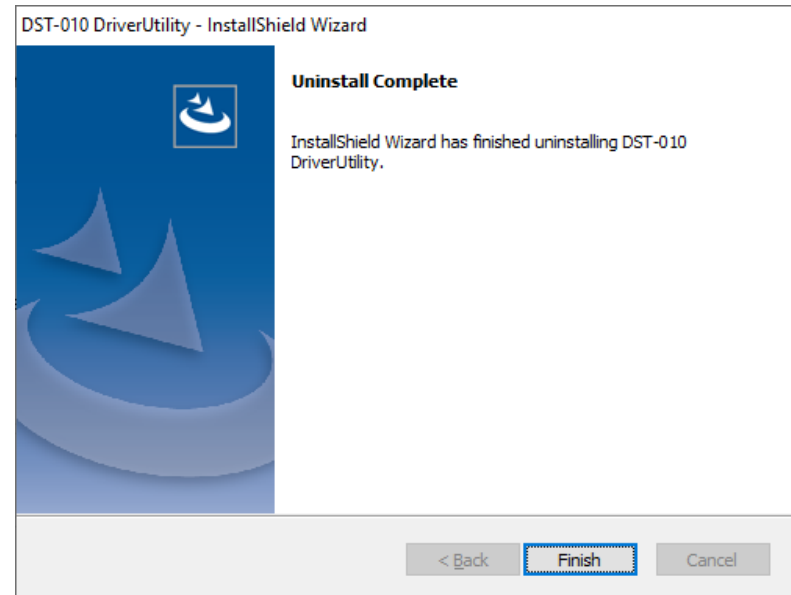


2 Select “DST-010 DriverUtility” and click “Uninstall”.



9. Uninstalling Software

- 3 Follow the instructions on the screen to uninstall.



10-1. List of Wi-Fi and Network Specifications for DST-010

Connection mode		Infrastructure	Peer-to-peer
Item			
Supported communication standard	2.4 GHz	IEEE802.11b/g/n	IEEE802.11b/g/n
Channel	2.4 GHz	JP: 1-13 NA: 1-11 EU: 1-13 CH: 1-13	
Network authentication/Data encryption	Personal	WPA-psk – AES WPA2-psk – AES	WPA-psk - AES WPA2-psk - AES
	Enterprise	Unusable	Unusable
SSID	Number of characters usable	32 or less	Fixed (serial No.)
	Types of characters usable	0 to 9, a to z, A to Z Symbols except the comma (,)	
Password	Number of characters usable	8 characters or more and 63 characters or less	8 characters or more and 63 characters or less
	Types of characters usable	0 to 9, a to z, A to Z Symbols except the comma (,)	0 to 9, a to z, A to Z Symbols except the comma (,)
Network protocol and port no. *1		TCP/IP ; 60702 UDP/IP ; 60703	TCP/IP ; 60702 UDP/IP ; 60703
IP address		IPv4 Automatic addressing by DHCP or manual addressing	IPv4 IP:192.168.100.1*2 Subnet Mask ; 255.255.255.0

[Supplement]

*1) The port number is of that on this product. For the PC (Connection Manager /dashboard), the number of an unused port is automatically acquired.

*2) The IP address of the PC is automatically set by the DHCP server function of this product when it is in the Peer-to-peer mode.

10-2. Characters Available for Passwords

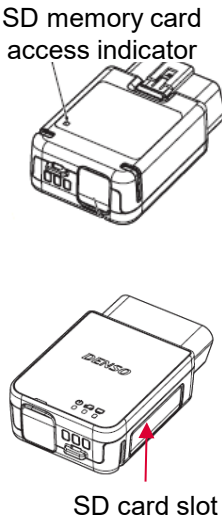
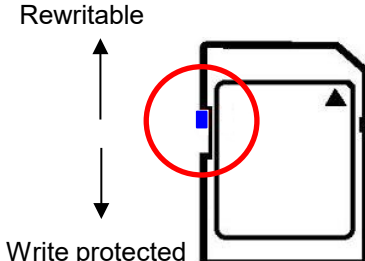


- You can use alphanumeric characters and the following symbols entered by a keyboard.

Symbol							
!	%)	.	=	@	^	{
"	&	*	:	>	[,	
#	'	+	;	?	¥	_	}
\$	(-	<	/]	Space	-

[Supplement]

Commas (,) are unusable.

11-1. SD Memory Card Access Indicator

Indicator name		What it means	
 <p>SD memory card access indicator</p> <p>SD card slot</p>	<p>SD memory card access indicator</p> <p>(Available only for ISO13400 supported model DARK GREEN, BLUE, GREEN)</p>	Unlit	No SD card is inserted or this model does not have a SD card slot.
		Lit in orange	<p>A rewritable SD card is inserted.</p> 
		Blinking in orange	 <p>A write protected SD card is inserted. (An error of writing failure may occur.)</p>
			 <p>Access to the SD card is proceeding. (Do not remove the SD card)</p>

[Tips]


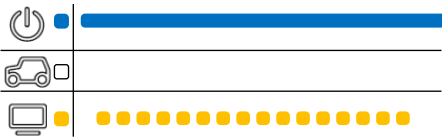
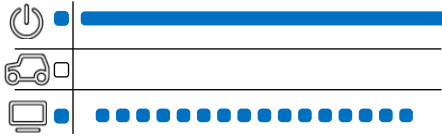
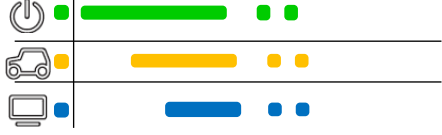
Only the ISO13400 supported model (DARK GREEN, BLUE and GREEN) is available to the SD memory card.

For more details of the product specifications, refer to the hardware manual or the webpage at the following URL.

<https://www.ds3.denso.co.jp/SIHAN/DN-DST-010/en/spec/index.html>

11-2. Indicator Lighting Pattern at Factory Shipment

- The firmware is not loaded at factory shipment.
Load the firmware using the Update tab of ToolBox.

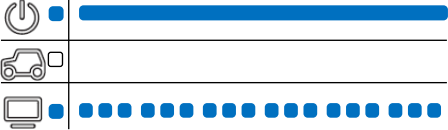
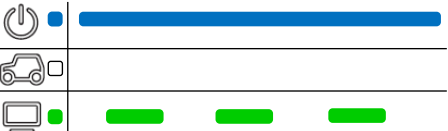
Indicator lighting pattern			Status description	Necessary action
(1)			The firmware is not loaded in DST-010.	Load the firmware using the update function of ToolBox.
(2)			DST-010 is in connection with the PC through the USB cable. The driver is not installed in the PC, so that the PC does not recognize DST-010.	Execute the DST-010 installer to install the driver in the PC. After installing the driver in the PC, reboot DST-010.
(3)			DST-010 is in connection with the PC through the USB cable. The firmware of DST-010 or a setting value is being acquired from the PC.	Do not disconnect the USB cable or turn off the power of the PC.
(4)			Start-up completion notification indicator lighting pattern when DST-010 is normally started with the firmware loaded	Operating normally

[Tips]

Refer to “4. Firmware Updating” for the steps of firmware loading.

11-3. Indicator Lighting Pattern when Configuring Settings with ToolBox

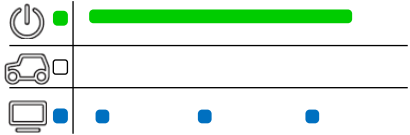
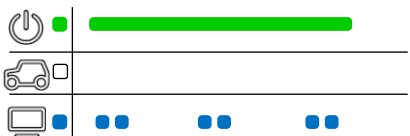
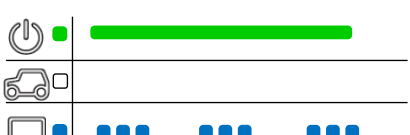
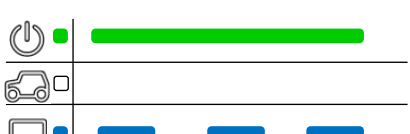

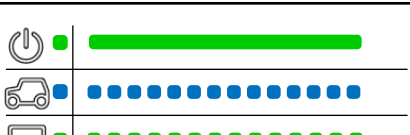
- Install the driver in the PC and load the firmware in DST-010. Then, use “DST-010 ToolBox” to configure settings such as the communication method.

Indicator lighting pattern		Status description	Necessary action
(5)		DST-010 is in connection with the PC through the USB cable. The firmware of DST-010 or a setting value is being acquired from the PC.	Do not disconnect the USB cable or turn off the power of the PC.
(6)		DST-010 is in connection with the PC through the USB cable.	Make changes and/or settings for the communication method as necessary.

[Tips]


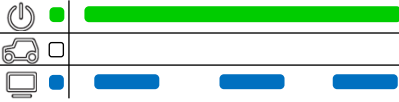

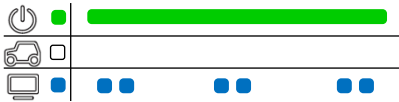


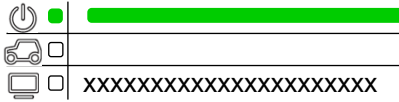

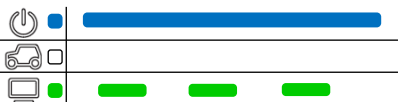
Refer to “5. How to Use ToolBox” for details on acquisition of firmware and setting value as well as changes and settings for a communication method.

11-4. Indicator Lighting Pattern during Vehicle Communication

Indicator lighting pattern		Status description	Necessary action
(7)		DST-010 is activated in the Wi-Fi infrastructure mode and finding an access point.	Connect the PC to an access point. The status automatically proceeds to (10) when DST-010 is connected to the access point.
(8)		DTS-010 is activated in the Wi-Fi peer-to-peer mode and waiting connection from the PC.	Select and connect DST-010 from "Wi-Fi connection" screen of the PC. The status automatically proceeds to (10) when DST-010 is connected to the access point.
(9)		DST-010 is activated in the Bluetooth communication method but not paired with the PC.	Execute pairing with PC . After completion of pairing, DST-010 is displayed in ToolBox.
(10)		DST-010 and the PC are connected to the access point, or DST-010 and the PC are directly connected. DST-010 is waiting for recognition from ToolBox.	Select a DTS-010 to connect when it is displayed in ToolBox. The status of DST-010 automatically proceeds to (11) when ToolBox recognizes DST-010.
(11)		The indicators are in the "all green" status allowing the diagnosis communication to be started.	Diagnosis communication is ready. You can start diagnosis using the diagnosis software.
(12)		Diagnosis communication is ongoing.	Diagnosis communication is going normally. Do not disconnect DST-010 from the vehicle.

11-5. Normal Indicator Lighting Sequence before Diagnosis

- “All green (all indicators of power, vehicle, and PC are lighting in green)” indicates that DST-010 can start communication with the diagnosis software.
If the indicators do not turn into “all green”, confirm the settings of the communication method.

Settings when activating DST-010		During operation of DST-010	Finished connection to the PC or the access point, and waiting for connection from ToolBox	Finished connection with ToolBox and possible to start diagnosis communication
Infrastructure mode		 <p>Finding an access point that has been set for connecting DST-010</p>	 <p>Connection with the PC is finished. However, ToolBox does not recognize DTS-010, thus communication with the vehicle is not allowed.</p>	<p>“All green” status enabling diagnosis</p>  <p>Ready to start diagnosis communication.</p>
Peer-to-peer mode		 <p>DST-010 is waiting for connection from the PC.</p>	<p>Connection with the PC is finished. However, ToolBox does not recognize DTS-010, thus communication with the vehicle is not allowed.</p>	
Bluetooth communication		 <p>DST-010 is waiting for pairing action from the PC.</p>	 <p>DST-010 and the PC have been paired. Waiting for connection from Toolbox</p>	
USB communication	Connecting DTS-010 to the vehicle first, then connecting the USB	 <p>The PC communication indicator blinks at the wireless Communication Method that has been set.</p>	<p>The “All green” status enabling diagnosis comes up immediately after the USB cable is connected. No need to activate ToolBox.</p>	 <p>Ready to start diagnosis communication.</p>
	Connecting DTS-010 with the PC first, then connecting to the vehicle	 <p>Power is supplied from the USB and DST-010 is in operation.</p>	<p>The “All green” status enabling diagnosis comes up immediately after the vehicle is connected. No need to activate ToolBox.</p>	