SMART ADAPTER W

SMART ADAPTER WOBD SET



IMPORTANT

Defi SMART ADAPTER W DF14501

This product functions both with the Defi-Link ADVANCE Control Unit, and an iOS or Android device. This product does not function alone.

To work, you need the ADVANCE Control Unit, and an iOS or Android mobile device. *Refer to the Application User's Guide on the Defi web page regarding operations of the App. *Please check the adaptable device list on the Defi web page

Defi SMART ADAPTER W OBD SET DF14502

This kit contains "SMART ADAPTER W" (which can take ISO-CAN information via the OBDII connector and transmit it to your iOS or Android device), and "Dedicated OBDII wire". This product does not function alone. You need an iOS or Android mobile device. In the case of using Defi-Link ADVANCE Control Unit, information both from ADVANCE Unit and OBDII can be simultaneously transmitted to your iOS or Android device.

*Refer to the Application User's Guide on the Defi web page regarding operations of the App stPlease check both the adaptable car list and the adaptable device list on the Defi web page.

Thank you very much for purchasing our product.

This product is an additional product for transmitting vehicle information to an iOS or Android device. Before installing and using this product, please read this manual and the warranty card thoroughly. All sections are for customers and installation personnels. After installation, please keep this manual and the warranty card for future reference. In the event that this product (or the vehicle in which it is installed) is lent to or transferred to another person, please be sure this operation manual and the warranty card accompany the product.

Defi will not be held responsible for accidents or damages related to installation of this product.

When installing and operating this product, be sure to read the cautionary items in the operation manual for the vehicle in which this product will be installed in addition to the manual of this product. Please obtain a full understanding of the cautionary items and use the product accordingly. Before installing the product, please confirm all the components are included in the package.

To users in the USA

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions. (1)This device may not cause harmful interference, and (2)This device must accept any interference received, including interference that may cause undesired operation

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To users in Canada

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

Safety Warning (Please read carefully.)

In this manual, the degree of hazard arising from actions such as improper operation is separated into the 3 levels "Danger," "Warning," and "Caution." In addition, instructions that must be followed for safe and proper use of this product as well as practices that must be maintained are marked with a "Confirmation" heading. Please read and become familiar with these sections.

A Danger	Indicates a hazard that could cause death or serious personal injury if the product is mishandled.		
M Warning	Indicates the possibility of death or serious injury if the product is mishandled.		
A Caution	Indicates a conceivable source of personal injury or damage to equipment if the product is improperly operated.		
C E +:			

Confirmation Indicates an instruction that must be performed or practice that must be maintained. Properties for safety warning

\triangle	Indicates attention needs to be paid. (Including warnings)
O Prohibited	NIndicates restricted actions. (PROHIBITED actions)
Must	Indicates actions that need to be carried out. (MUST actions)

Before handling (for installation personnel)

⚠ Danger

9 Ensure that the vehicle will remain stationary and turn off the engine before installing this product. Failure to do so could result in a fire, and could make the vehicle move during the installation. ∆Keep the wiring away from locations which affect steering, safety and brake systems. Interfering with normal

operation of the vehicle can result in an accident or fire \odot Do not install the product at the wet places. It may result in a fire caused by an electrical short circuit. **...** When you exchange a fuse of a cigar plug, you have to use a regulated fuse. If you set up a fuse which exceed braking capacity, it may cause a fire.

- 🗥 Warning

• Carefully consider the installation location and driver's operation of the product before installation. Do not install the product where it interrupts driving and the safety devices of the vehicle such as the airbag system. Be sure not to install the adapter where it could fall. Improper installation or operation could cause the product to fall and damage the vehicle or cause serious danger by $^{\prime\prime}$ impeding driving.

Do not disassemble or modify this product. Such actions will not only void the warranty but also disassemble. damage or destroy the product.

• Ensure that the wiring of this product does not have an adverse impact on the other wiring of the vehicle. **9** Do not use this product if you notice any malfunctions or it doesn't operate. Continued use while in

a faulty state could result in accidents, a fire, or electrical shocks. • Please keep children and infants away from the installation area. Children may swallow small parts or be injured in other ways. O Do not install this product in the area where safety equipment such as airbags are mounted. This may cause more

injuries in the event of an accident. ODo not install this product in vehicles which are not listed on the adaptable car list.

- 🔼 Caution

This product is designed for the use on 12V vehicles. Do not install this product on vehicles with 24V

○ Do not drop any of the components of this product. It may result in damage to the product. ODo not apply excessive force on switches/terminals. It may result in damage to the product. Opo not use wires other than the provided wires. ○ Do not attach wires on the body of the vehicle or engine parts as this may result in damage to the product.

 Δ Install wires away from ignition and also radio signal frequency interference as this could cause the gauges to malfunction. \triangle Please set it up so that the equipment, such as the wireless machines and cellular phones that emit electric waves,

does not touch this product. It may result in incorrect operation. ODo not expose this product to moisture, dust or direct sunlight, or place product directly in front of heat vents △Use a dried soft cloth for cleanup. Do not use cleaners except for a neutral detergent. It may damage the product.

Caution

O Do not pull the wires out of connectors forcefully. The connectors may be broken and the wires may be cut. When pulling out the wires, press the lock firmly and unclip the locks of connectors. Ono not install this product into the passenger side or center of the dashboard. It doesn't

meet vehicle safety standards.



Confirmation

• Be sure to follow all instructions in this manual to ensure safe installation and operation of the product. • After installation is complete, return this operation manual, warranty card, the remains of parts, and the package to

• Please confirm with the maintenance book that the manufacturer issued when installing and detaching genuine parts of your vehicle.

• If car navigation system or car television is installed in the vehicle, gauges and wires of this product need to be kept as far away as possible from the wiring and installing locations of car navigation system or car television. Failure to do so may result in interference of equipment.

Aln no event shall Nippon Seiki Co., Ltd. be liable to you for any damages or losses of genuine parts for your vehicle

About Installation and Operation (for customer and installation personnel)

⚠ Danger

• When you set up "Transmission gear position Setting", please do not your setup on public roads. It is better to set up it on a closed course or a chassis dynamometer.

· 🗥 Warning

On not disassemble or modify this product. Such actions will not only void the warranty but also damage or destroy the product. • In order to ensure safe driving, check the information on the gauge only for short periods of time. Looking at the display for long periods of time could distract your attention from the road and create the risk of a traffic accident.

• Discontinue use of this product if the adapter doesn't operate, water gets into the adapter, or smoke or a strange odor comes from the adapter. If such a condition occurs, contact the sales outlet or installation personnel as soon as possible. Ignoring such conditions may lead to accidents or a fire ODo not operate while driving.

• Fix each part tightly to the vehicle to prevent children from swallowing parts.

• In the case that you have a pacemaker or a defibrillator, do not use this product. If such person may ride in your car, please detach this product and do not use the App.

• In the case that warning alerts (ex. Check engine) appears on your vehicle's instrument cluster, or you notice any abnormality, please detach the SMART ADAPTER W immediately and follow your vehicle's instruction manual.

• When residual battery amount of your mobile device becomes small by using Defi Apps, if any emergency happens, you might not be able to receive emergency alerts emails. Please ensure residual battery amount of your device for emergencies during using Apps.

🛇 When you leave the vehicle behind, please do not leave your mobile device inside. In the case that you leave it on the

dashboard or elsewhere when interior temperature rises high, your mobile device might be overheating.

When using your mobile device, please follow the device manual. In the case that your device becomes overheating, please stop using it immediately and turn it off.

A Caution

This product uses the 2.4GHz radio band communication. When devices which use the same radio band are near. malfunction might occur. In the case that malfunction occurs, please stop using this product immediately ⚠In no event shall Nippon Seiki Co., Ltd. be liable to you for any damages arising out of the use or inability to use the product, even if Nippon Seiki Co., Ltd. has been advised of the possibility of such damage.

Do not pull the wires out of connectors forcefully. The connectors may be broken and the wires may be cut. When pulling out the wires, press the lock firmly and unclip the locks of connectors.

Confirmation The information displayed on the mobile device is for reference purposes only. Please drive according to the

indication of vehicle's originally equipped instruments. • Please check the installed product regularly. Durability might deteriorate based on use and conditions, etc.

• Detach this product from the vehicle when not in use for a long time. • Dispose of the product according to the local recycling regulations.

Specifications, dimensions, and part names

■Power-supply voltage: 10V to 16V DC (12V vehicles only)

■Current consumption (the maximum current consumption value of SMART ADAPTER W obtained when connecting OBDII): 0.3A

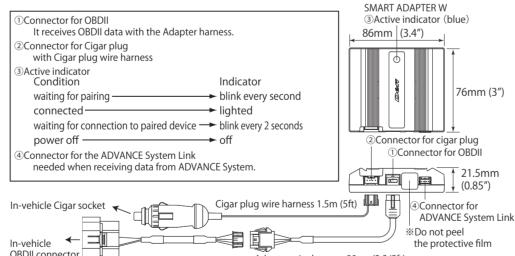
■Current consumption (the maximum value obtained when connecting seven gauges):

+B wire: 2A (IGN ON) 5mA (IGN OFF)

ILM wire: 800mA

■Temperature range (humidity is assumed to be 80% or lower) Unit: °C (°F) Temperature range for operation Temperature range for storage $-20(-4) \sim +60(140)$ $-30(-22) \sim +60(140)$

■Weight(SMART ADAPTER W): 87g



Components

DF14501: Defi SMART ADAPTER W

DF14502: Defi SMART ADAPTER W OBD SET

Parts name		DF14501	DF14502
SMART ADAPTER W		0	0
Double sided tape		0	0
Meter wire harness 25cm (10in)	1pc	0	0
Speed & Tachometer Signal Wire harness 2m (6 3/5ft)		0	×
OBDII wire harness 20cm (8in)		×	0
Adapter wire harness 80cm (2 3/5ft)	1pc	×	0
Cigar plug wire harness 1.5m (5ft)	1pc	×	0
Tie wrap	3pcs	×	0

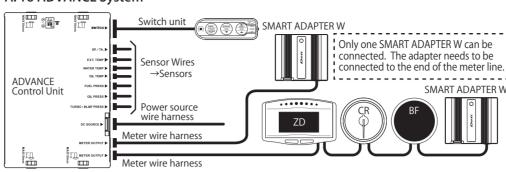
Operation manual (this sheet) and warranty card are included other than the parts listed above. Keep them at hand.

Repair parts	Parts No.	
Meter wire harness 25cm (10in)	PDF07707H	
Speed & Tachometer Signal Wire harness 2m (6 3/5ft)	PDF09705H	
OBDII wire harness 20cm (8in)	PDF14503H	
Adapter wire harness 80cm (2 3/5ft)	PDF14502H	
Cigar plug wire harness 1.5m (5ft)	PDF12409H	
Fuse 1A	PDF07113G	

Wiring

1. Installation of SMART ADAPTER W

A. To ADVANCE System

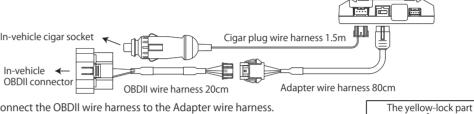


①Connect the adapter to the ADVANCE System by using the meter wire harness (optional meter wires 50cm/1m/2m can be also used). The adapter can be connected into either lines for meter output.

②Turn the ignition on and confirm the active indicator blinks every second waiting for connection. *After turning the ignition on, it takes about 10 seconds for the active indicator to start blinking.

**Only one SMART ADAPTER W can be connected to one ADVANCE System. **Up to 7 gauges, displays, and this adapter in total can be connected to one ADVANCE System. **The adapter needs to be connected to the end of the meter line because the SMART ADAPTER W has only one connector for the meter wire harness.

-----SMART ADAPTER W B. To OBDII Connector



①Connect the OBDII wire harness to the Adapter wire harness.

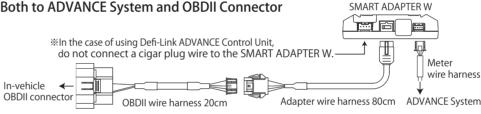
②Insert above ①wire harness into the in-vehicle OBDII connector and the SMART ADAPTER W. Slide the yellow-lock part. Make sure that the connection is locked

③Connect the Cigar plug wire harness to the SMART ADAPTER W and the in-vehicle cigar socket.

*Make sure that there is nothing inside of an in-vehicle socket and insert the plug all the way. 4)Turn the ignition on and confirm the active indicator blinks every second waiting for the pairing.

*After turning the ignition on, it takes about 10 seconds for the active indicator to start blinking.

______ C. Both to ADVANCE System and OBDII Connector



①Connect the adapter to the ADVANCE System by using the meter wire harness (optional meter wires 50cm/1m/2m can be also used). The adapter can be connected into either lines for meter output.

②Connect the OBDII wire harness to the Adapter wire harness. ③Insert above ②wire harness into the in-vehicle OBDII connector and the SMART ADAPTER W. Slide the yellow-lock part. Make sure that the connection is locked

(4) Turn the ignition on and confirm the active indicator blinks every second waiting for the pairing. *Do not connect a cigar plug wire to the SMART ADAPTER W. *After turning the ignition on, it takes about 10 seconds for the active indicator to start blinking.

2. Device Settings

△Only one mobile device can be connected to the SMART ADAPTER W.

-----A. iOS Device

1) Install the Defi Apps through App Store to your iOS device.

② Pairing your device with the Defi SMART ADAPTER W via Bluetooth. Refer to your iOS mobile User's Guide about how to pair. When a 6-digit authentication code is required on the screen, please touch "Pairing" ex.: 『Settings』→『Bluetooth』→『Defi Smart Adapter』

③ Running the App. Selecting MENU button (on the screen) → 『Communication』, driving data appears. Refer to the Application User's Guide about other operations.

△When "Connection Unsuccessful" message appears on pairing, please wait for a few seconds untill "Connect" message appears.

-----B. Android Device

1) Install the Defi Apps through Google Play to your Android device.

② Pairing your device with the Defi SMART ADAPTER W via Bluetooth. Pairing methods depend on mobile devices' models. Refer to your Android User's Guide. When a 6-digit authentication code is required on the screen, please touch "OK"

ex.: 『Settings』→『Set Up Bluetooth』→『Scanning』→『Defi Smart Adapter』

③ Running the App. Selecting MENU key (on your device) → 『Communication』→ 『Defi Smart Adapter』, driving data appears. Refer to the Application User's Guide about other operations.

C. Device Alteration

1) Follow the current device User's Guide, remove Bluetooth pairing on your device.

② After thirty seconds from ①, try to pair a new device you want to connect on its Bluetooth Setting.

3. Confirmation

① ❶ Fix the SMART ADAPTER W and its wires tightly where it does not interrupt driving by using the double sided tape and tie-wraps. If you fail to fix them properly, it may cause unexpected accidents.

• Install the SMART ADAPTER W and wires away from wet places. If an electrical short circuit happens, it may cause damage not only to the adapter but also to your vehicle. ② Turning the ignition off, and confirm that the active indicator of the SMART ADAPTER W is turned off.

• Check the installation state periodically. Δ In the case that your OBDII has a cover, it may not be completely closed by attaching this product to

When this product is connected to the in-vehicle OBDII connector, the top of the OBDII wire does not fit to the OBDII body by 22mm.

Maintenance, Check/Warranty & Servicing

■Warranty card • Terms and conditions

This product is delivered with this operation manual and a warranty card. Please read terms and conditions in this manual thoroughly and keep the warranty card in a safe place. Failure to show this warranty will void the warranty.

■Warranty period Limited one year warranty. The warranty period starts on the date of purchase. Please confirm the warranty has the information about the retail store where you purchased the product. Please refer to Limited Warranty for details.

⚠ Except in the case of defects, we shall not be liable for any trouble including violation, accident or improper wiring resulting from using this product.

The warranty does not cover any unauthorized repair performed or caused to be performed by the end user Such action can destroy or damage this product.

Inspection

If you think there is a defect, please consult with the shop where you bought the product. We don't accept the order of fixing because Defi products require installation and wiring to the vehicle. In case you cannot go to the shop you purchased because of move-out or closure of shop, please ask the nearest Defi Distributor listed in the Defi website • For a repair/inspection service, take the warranty card and customer contact information with you.

Please conduct periodic inspections by Defi through a shop which sells Defi products or Defi's official distributor

every five years. Inspection is available at an additional cost. In the case you purchase used products or used vehicles with products of Defi, please have an inspection by Defi as well before using them.

Label The label stuck on the product is for tracing purposes. Do not peel it off.

Repairing When a repair is necessary, we will return the inspection result report through the store to you. After receiving a repair service request, we'll start the repair work. Ask the store how much it costs and how long it takes to repair

■ Discarding the products Please dispose products in accordance with disposal laws, state laws and local government requirements. A recycle label on the package indicates that the package is recyclable.

Terms and Conditions (for customer)

LIMITED PRODUCT WARRANTY AND LIMITED PRODUCT LIABILITY

A. Limited Warranty

a. Our sole obligation to you after the sale of a product is to replace, without charge, the product or any component thereof discovered to bee defective within a period of one (1) year from the purchasing date (the "Warranty Period"). You accept sole responsibility for the proper assembly operation and regular maintenance of the product. This limited warranty is void if any product is damaged by accident, misuse, improper installation, or abuse, including tampering or damage in transit. Further, this limited warranty is void if you sell or otherwise transfer a product to a third party, regardless of whether the transfer takes place within the Warranty Period.

b. Out liability to you resulting from the sale of any product, including liability for any latent defects found within the Warranty Period, shall not exceed the total purchase price paid for the product by you. c. YOU UNDERSTAND AND AGREE THAT WE MAKE NO REPRESENTATIONS OR WARRANTIES OF

ANY KIND, EXPRESS OR IMPLIED AS TO ANY MATTER WHATSOEVER, INCLUDING THE CONDITION OF THE PRODUCT OR ANY COMPONENT PARTS THEREOF, ITS MERCHANTABILITY OR ITS FITNESS FOR ANY PARTICULAR PURPOSE AND YOU ACCEPT IT, "AS IS." "WHERE IS."

d. You also understand that we are not granting any express warranties, other than those stated herein. These include only those warranties enumerated in paragraph A. a. There are no other express warranties granted anywhere in these terms and conditions of sale, and you understand and agree to this fact as part of the bargained for exchange of this sale. Nowhere else, except as stated in this paragraph, in this contract is there intended, by either party, for there to be any express warranties granted to you. e. EXCEPT AS OTHERWISE PROVIDED HEREIN, WE SHALL NOT BE LIABLE FOR DAMAGES,

INCLUDING SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHETHER IN CONTRACT OR IN TORT ARISING OUT OF OR IN CONNECTION WITH THE PERFORMANCE OF ANY PRODUCT OR ANY COMPONENT PART THEREOF OR ITS USE BY YOU, AND WE SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH YOUR USE OF THE PRODUCT.

f. The warranty on this product is void if the product is modified, changed, adjusted or damaged. This product is to be used only in the ways for which it is designed and marketed for, any deviations from the intended uses will void the warranty and will excuse any possible liability of ours.

g. You accept sole responsibility for the proper assembly, operation and regular maintenance of the product. This limited warranty is void if the product is damaged, changed, altered, or modified by accident, misuse, improper installation, or abuse, including tampering or damage in transit or while in use. YOU HAVE MADE AN INDEPENDENT INVESTIGATION OF THE PURCHASED COMPONENTS AND HAVE RELIED SOLELY ON YOU OWN INVESTIGATION, BARGAINING AND JUDGMENT IN REFERENCE THERETO. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON OUR SKILL OR JUDGMENT TO SELECT OR FURNISH GOODS SUITABLE FOR ANY PARTICULAR PURPOSE IN PURCHASING OUR PRODUCTS, YOU HAVE NOT RELIED OR ACTED UPON ANY REPRESENTATIONS OR WARRANTIES ON OUR PART NOT SPECIFICALLY

SET FORTH HEREIN. h. This limited warranty gives you specific legal rights. You may also have other rights which vary from state to state. Some states do not enforce contractual limitations on how long an implied warranty lasts, when an action may be brought, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

B. Modification Strictly Prohibited

Locked

= 10

PULL

Un-locked

The yellow-lock part

PULL

Un-locked

1

Locked

You understand and agree that any modification whatsoever, of the product, is strictly prohibited. You also agree not to modify the product in any manner regardless of whether such modification is material or immaterial. You also acknowledge that any modification of the product will void your limited warranty and bar you from any recovery or any remedy in a court of law or equity. Modification is strictly forbidden unless expressly authorized by our prior written approval. You agree not to make any modifications to the product and agree not to use any parts, components, or accessories in connection with the installation and use of the product that are not authorized and approved by us

a. You understand and agree that many factors beyond our control affect the operational safety of the product, including but not to limited to the installation of the product according to the instructions provided with the product.

b. You also understand and agree that the installation of the product may involve the use of tools, equipment and construction methods which may present safety hazards which are beyond our control. You also understand and agree that the use of some of our products may create hazards and lower your ability to control your vehicle.

c. You agree, as part of the bargained for exchange, to protect, indemnify, save harmless and release us, our authorized agents, employees, officers, directors and shareholders from and against all liabilities, obligations, claims, damages, penalties, causes of action, costs and expenses, imposed upon or incurred by or asserted against us or any assignees of ours, by you or any third party by reason of the occurrence or existence (or alleged occurrence or existence) of any use, installation, assembly, possession or operation of the product, any loss, damage or destruction of the product as of and after delivery(a "casualty occurrence"), and any other act or event relating to or caused by the product, including but not limited to, consequential or of the terms and conditions hereof, or any and all liability for property loss or damage, or any and all damage resulting from death or personal injuries, including loss of services which any person may sustain on account of, arising out of, or in connection with any use, maintenance, possession or operation of the product. In the event that any action, suit or proceeding is brought against us or any of our authorized agents, employees, officers, directors or shareholders by reason of any such occurrence, you will, upon our request and at your expense, resist and defend such action, suit or proceeding or cause the same to be resisted and defended by counsel designated and approved by us.

Defi SMART ADAPTER W Manual

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Manufacturer Nippon Seiki Co., Ltd.

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[URL] http://www.defi-shop.com/ **№** NIPPON SEIKI CO.,LTD.