# Defi Logger Application User's Guide

### **BEFORE INSTALLATION**

- Download the App. Search "Defi Logger" application through App Store and download it.
- 2 Pairing your mobile device with the SMART ADAPTER W

Make sure that the active indicator blinks every second on the SMART ADAPTER W. Scan your device on your Bluetooth setting, and pairing your mobile device with the Defi SMART ADAPTER W. Please refer to the User's Guide of your mobile device about pairing.

### [Connection to the SMART ADAPTER W]

① This App requires your device's location. When running the App, the message appears. If you allow the App to use your current location, please touch "Allow".

Then the End User License Agreement will appear, if you agree with that, please touch "I accept".

MENU			MENU
0 1	End User License Agreement	8 9	End User License Agreement 8 9
ТАСНО Е	DESCRIBED HEREIN. THIS AGREEMENT IS LIKE ANY WRITTEN NECOTIATED AGREEMENT WHICH YOU SIGN.	1000RPM	TACHOE DESCRIBED HEREIN. THIS AGREEMENT IS LIKE ANY WRITTEN NEGOTIATED AGREEMENT WHICH YOU SIGN.
NOW TIM SPEED	BY CLICKING DOWNLOADI SOFTWARE, CONDITIONS IS ENFORCE/ THAT INSTA Subject to the terms are solution and bolow Subject to the "Company"), grants to customers who	Lap km/h	NOW TIM       BY CLICKING TO ACKNOWLEDGE AGREEMENT, OR BY DOWNLOADING OR INSTALLING OR USING THE SOFTWARE, YOU ACCEPT ALL TERMS AND CONDITIONS OF THIS AGREEMENT. THIS AGREEMENT IS ENFORCEABLE AGAINST ANY PERSON OR ENTITY THAT INSTALLS OR USES THE SOFTWARE. Subject to the terms and conditions below, Nippon Seiki Co. Ltd. (the "Company") grants to guistomers who       km/h
FUEL PRE	I accept 🗆 Skip EULA	x100kPa	FUEL PRE

(2) Touch "MENU button" on the top left of the screen, and then the menu bar appears. Touching "Communication", the connection to the SMART ADAPTER W will be completed. The connection icon will appear on the top right side (next to battery icon).

MENU						MENU					
<b>1</b>	1	2	3	4	5	0					
ТАСНО	BAR			×1(	000RPM	TACH	O BAR				×1000RPM
NOW TIN	<i>0:00.0</i>	Lap	BEST TIME	0.0	Lap	BEST	TIME				Lap
SPEED	183	km/h	GEAR POSITION	N		SPEED	)			_	
ТАСНО		6	500		RPM	FUEL I Commu	PRESS nication	Measurement	Analysis	Course	Setting x100kPa

MENU									
0	1	2	3 4						
ТАСНО	BAR			×1000RPM					
NOW TIN	<i>0:00.0</i>	Lap	BEST TIME	О Lap					
SPEED	183	km/h	GEAR POSITION						
TACHO	тасно 6500 прм								

③ Bluetooth connection to the SMART ADAPTER W will get started.

			0					
MENU								
0 1	2	3	4	5	6	7	8	9
TACHO BAR							×1000	ORPM
BEST TIME		0	:0	0.0	)			Lap
SPEED		Com	munica	tion start	ed			km/h
FUEL PRESS			C	).0			x1	00kPa

【Brief of Display Items】 MAP Mode Touching this, the gauge list appears, choose the preferable one as the graph A (top line) or the graph B (bottom line)



① Map area

Displaying the map (Move : Moving a map

Pinch in/out : Zooming in and out)

- 2 Vehicle traveling locus
- 3 Current location
- ④ Graph A

Your selected gauge is displayed as the top line graph

5 Graph B

Your selected gauge is displayed as the bottom line graph

6 Horizontal cursor

The values of the points cross between the horizontal cursor and graphs are displayed in the digital number display area

- Graph A vertical area
   The scale of the graph A is displayed
- (8) Graph B vertical area
   The scale of the graph B is displayed
- (9) Graph horizontal axis Time-lapse (aa:bb aa minutes/ bb seconds) The axis is moved by dragging
- ① Graph edit zone

+ : scale up / • : scale down

- Digital number display area
   Select your preferable gauge to display
- Playback log dataPlayback and pause your data

### 【Brief of Display Items】 Lap Time Mode



### Displayed Items Change

Touch an item, select the preferable one in the list.

MENU								MENU					II (شی)
0	1 2	3	4	5	6	7	8 9	0 1		Select 4 Gauge			8 9
тасно	BAR			_		×	1000RPM	ТАСНО Е	SPEED		AD	OBD	1000RPM
NOW TIN	ЛЕ			BEST	IME			NOW TIM	TACHO		AD	OBD	
	0:0	0.0	Lap		0	:00.0	Lap		TACHO BAR		AD	OBD	RPM
SPEED	1:	26	km/h	FUEL F	PRESS	4.9	x100 kPa	SPEED	TURBO		AD	OBD	
OIL PRE	SS		Ę	5.4			x100kPa	WATER TI	<u> </u>	CANCEL		010	x100 kPa

### Size Change

By swiping the A size, it is changed to B size, vice versa..

MENU									MENU	]								
0 1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
TACHO BAR	ł						×1000	RPM	ТАСНС	) BAR							×1000	RPM
NOW TIME	:00.	0	Lap	BEST	тіме <b>О:</b>	00.0	)	Lap	NOW TI	ME		(	):0	0.0	)			Lap
SPEED	88	3	km/h	FUEL	PRESS	3.9	)	x100 kPa	SPEED		166		km/h	FUEL	PRESS	5.0		x100 kPa
OIL PRESS	4.9	)	x100 kPa	WATE	R TEMP	74		°C	OIL PRE	SS	5.4		x100 kPa	WATE	R TEMP	76		°C

Display items	Description
SPEED	Speed
ТАСНО	Engine rotation signal
TACHO BAR	Bar display of Engine rotation and Gear position display(B size only)
TURBO	Intake pressure
OIL PRESS.	Oil pressure
FUEL PRESS	Fuel Pressure
OIL TEMP	Oil temperature
WATER TEMP.	Water temperature
EXT. TEMP	Exhaust temperature
VOLT	Voltage
THROTTLE	Throttle Opening(It is available only when connecting with OBD)
IN-AIR TEMP.	Intake Temperature (It is available only when connecting with OBD)
GEAR	Transmission Gear Position
	(Gear position is calculated from speed and engine rotation)
GX	Horizontal G(value of G sensor in your device)
GY	Back and forth G(Value of G sensor in your device)
TOTAL TIME	Total time of each log file
NOW TIME	Current lap time
BEST TIME	Best Time on the selected course
LAST LAP1	Last Lap Time on the selected course
LAST LAP2	Lap Time of the second round from the last on the selected course
LAST LAP3	Lap Time of the third round from the last on the selected course
BLANK	Blank

XSwiping the top(the blank space between the MENU button and the connection icon), the display is changed between MAP Mode and Lap Time Mode



# 【Brief of Menu Bar】

Touching "Menu Button", the "Menu Bar" appears on your screen.

MENU		[MENU]	
2 3 4	5 6 7 8 9	1 2 3 4 5 6 7 8	9
TACHO BAR	×1000RPM	TACHO BAR ×10	000RPM
тасно 5200 прм	SPEED 154 km/h	NOW TIME TACHO	RPM
OIL PRESS 5.5 x100 kPa	GEAR POSITION	SPEED GEAR POSITION	
WATER TEMP 0 ℃	тасно ваг <b>5500</b> грм	WATER TEMP         Measurement         FUEL         PRESS         Course         S           Communication         Measurement         Analysis         Course         S	ietting oo kPa

Communication	: Connecting to the SMART ADAPTER W. Firstly, you need to finish the pairing before the communication
Measurement	: Measuring your time . "Select a course" is popped up, and then choose "Yes" or "No".
Analysis	: Loading recorded data and check traveling locus or vehicle information.
Course	: You can create your original courses and check your history on each course.
Settings	: You can set up each function.

### [Communication]

Please refer to the [Connection to the SMART ADAPTER W] on the second page.

### [Measurement]

Touching "Measurement", the dialog box asks you "Select Course".

When choosing "Yes", you pick up one.

After you select a course, time measurement will start.

When you create a course, touching "Course" on the menu bar.





# [Analysis]

Your log data can be displayed and analyzed after driving.

MENU				BACK When deleting an items, please slide it left.
0 1 2 3				Files
TACHO BAR			×1000RPM	log_20150511160533.dat 間瀬サーキット
NOW TIME	TACH		0	log_20150511155625.dat 間瀬サーキット
0.00.0			U RPM	log_20150511155112.dat
SPEED		POSITION		
0	km/h	N		log_20150511154442.dat 間瀬サーキット
WATER TEMP	FUEL	RESS	Satting	
Communication Measurement	Analysis	Course . (	kPa	

### [Course]

Touching "Creating a new course", the map appears. Also, you can search the location by inputting a location name.

This is the case that we searched "Maze Circuit" as below. Touching "Current Location", the current location is displayed at the center of the screen.

When you want to add the measurement line, touching "Add Line", and then you touch the two points on the MAP. A straight line is drawn between the two points you touched. When you cross the line, your lap time is updated.



Note: If you select "CLOSED" on [Set up Course] of [Settings], you can only draw one line. On "OPEN", you need to draw two lines as "START" and "GOAL"



# [Settings]

# 【Set up Gauge】 : Menu button→『Settings』

# [Units]

Set up the units on the display

BACK							
Set up Gauge							
Units km/h kPa °C							
TACHO BAR Scale							
Transmission Gear Position Range							
Input Speed For Calculating Transmission Gear Position Input your speed at 2000rpm at each transmission gear position							
Set up Graph							
Graph Display							
Potus Course							

BACK			
Set up G	U	Inits	
Units <sup>km/h</sup> kPa °	Speed	km/h MPH	
TACHO E 9000RPM	Press.	kPa PSI	
Transmis	Temp.	°C °F	
Input Spe Input your sp			_
Set up G			
Graph Di	ОК	CANCEL	

XThe selected unit (blue) is used on each gauge.

# [TACHO BAR Scale]

You can choose the full scale among four levels.

BACK	BACK
Set up Gauge	Set up G TACHO BAR Scale
Units km/h kPa °C	Units km/h kPa %
TACHO BAR Scale	TACHO E 7000RPM 7000RPM
Transmission Gear Position Range	Transmis 9000RPM
Speed Calculation Offset Input your speed at 2000rpm at each transmission gear position	Input Spe Input your sp 11000RPM
Set up Graph	Set up G
Graph Display	Graph Di

Speed Calculation Offset

- [Transmission Gear Position Range] : Set up the maximum transmission gear position.
  - : Input your speed at 2000rpm at each transmission gear position. Without doing so, the accurate transmission gear position can't be displayed.

	BACK	В	ACK		
	Set up Gauge	Se	et up Gauge		
	Units km/h kPa °C				
	TACHO BAR Scale	9	Iransmission Gear Position Range		
	Transmission Gear Position Range	4th			
	Speed Calculation Offset Input your speed at 2000rpm at each transmissio				
	Set up Graph				
	Graph Display	6th			
	Set up Course	0	7th		
	Course Type CLOSED OPEN	C	8th		
	Set up System		9th		
	Bluetooth Automatic Connec	E	Juli		
	Skip EULA	J.	CANCEL		
	OBD Speed Offset	OI 3%	BD Speed Offset		
	Set up Display	Se	et up Display		

	BACK	peed	For Ca	llculati	ng Tra	ins
	1st 16km/h 2nd 30km/h	3rc	<b>)</b>			
	3rd 43km/ - 4th 54km/h	ge. U	4	3	m/h	
	5th 67km/h 6th	1	2	3	С	
	78km/h	4	5	6	-	
J	90km/h 	7	8	9	0	
	9th 110km	OK		CAN	NCEL	

# 【Set up Graph】 : Menu button→『Settings』

『Graph Display』

Set up ON and OFF of the graph display.



# 

You choose between "OPEN" and "CLOSED" course when you create it.

An open course is for the case that you need two points as "Start" and "Goal".

A closed course is for driving a loop course like a circuit.

BACK	
Set up Course	
Course Type	CLOSED OPEN
Set up System	
Bluetooth Automatic Connection	
Skip EULA	
OBD Speed Offset	
Set up Display	
Locus Color	

#### 【Set up System】 Menu button→『Settings』

 [Automatic Connection to Bluetooth] :Swiping the toggle button, in the case of breaking a connection between Bluetooth and the SMART ADAPTER W, its communication automatically reconnects.
 [Skip EULA] :Swiping the toggle button, "End User License Agreement" will be skipped every time you open the App.
 [OBD speed offset] : This function is available when connecting to OBDII. You can adjust value of your speed from OBDII. Range:-10%~+10% Default : 3%

BACK		
Set up C	OBD Speed Offset	
Set up S	-10%	
Bluetooth		
	-9%	
Skip EUL	-8%	
OBD Spe	-070	
3%	-7%	
Set up D		
Locus Co	CANCEL	
Orenh A	UULL	
Graph A C	70101	

### [Set up Display]





[Locus color]

: Set up the color of the graph A.

: Set up the color of the graph B

: Set up the color of your traveling locus on the MAP.

『Graph A color』

¶Graph B color』

[Lap Wallpaper Color]

: Set up the wallpaper color of Lap Time Mode

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### **Operation on the ADVANCE Control Unit**

[Warning Settings] Operation on the ADVANCE Control Unit Switch(SLIDE SWITCH: SET/WARN SET PRESS)



Please refer to the ADVANCE Control Unit operation manual in details. After the setup is complete, return the slide switch position to "REAL".

[System Settings] Operation on the ADVANCE Control Unit Switch(SLIDE SWITCH: SET/WARN SET Long PRESS)



Selecting an item by using "UP" or "DOWN" switch on the ADVANCE Control Unit Switch and pressing WARN SET, you can change setting items.

After the setting is complete, return the slide switch position to "REAL".

On the screen	Setting items	Default
UNIT	Units setting	Km/h MPH
SPEED PLUSES	Speed pulse setting	2,4,8,16, FREE
ENGINE CYLINDERS	Number of cylinders setting	1,2,3,4,5,6,8
TACHO RESPONSE	Tachometer response setting	HIGH, MID, LOW
DIMMER	Dimmer setting	*
SPECIAL MODE	Special display setting	*
WARM UP MODE	Warm-up setting	*
CLOCK	Clock setting	*

XThese setting items can be changed only on the ADVANCE ZD.

Set Up Speed Pulse

Depending on vehicle specifications, you need to set Speed pulse. 4 pulse setting is usual except Nissan vehicles. If you don't know your vehicle's pulse or want to revise it, select "FREE", and then press the "WARN SET" button on the Control Unit during driving, when your built-in speed meter indicates 60km/h. By doing so, a new value is set correctly

Set Up Number of Cylinders

Select number of cylinders.

(When you set an ignition signal, it is better to select 1 cylinder or 2 cylinders. This will give more accurate readings.)

#### • Set Up Tachometer Response

You can set the Tachometer response. When you select "HIGH", response speed is faster. When you select "LOW", response speed is slower.

Check the actual response, and then choose the preferable one.

'15.06–30