



for Vehicle Producing Examination



USER MANUAL

Version: 1.0

Attention!!!

This product is designed for vehicle producing examination only. It should be used in vehicle production line and required to be away from operator >30cm when operating.

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CHAPTER 1 Read Me First







Attention!!!

This product is designed for vehicle producing examination only. It should be used in vehicle production line and required to be away from operator >30cm when operating.

IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions carefully before using the product and save for later reference. Follow all warnings and instructions marked on the product.

Unplug this product from the wall outlet before cleaning. Clean the product with a damp soft cloth. Do not use liquid or aerosol cleaners as it may cause permanent damage to the outer covering.

Do not use this product near water.

Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.

This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. (For AC version only) Do not defeat the purpose of the grounding-type plug.

Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.

Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.

Do not attempt to service this product by yourself, as opening or removing covers may expose you to dangerous voltage points or other risks and will void the warranty. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

When the power cord or plug is damaged or frayed.

If liquid has been spilled into the product.

If rainy or water has been exposed to the product.

If the product does not operate normally that the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

If the product has been dropped or the cabinet has been damaged.

If the product exhibited a distinct change in the performance, that indicates a need for service.

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Warranty

Winmate warrants that each of its products will be free from material and workmanship defects for a period of one year from the invoice date. If the customer discovers a defect, Winmate will, at its option, repair or replace the defective product at no charge to the customer, provided it is returned during the warranty period of one year, with transportation charges prepaid. The returned product must be properly packaged in it's original packaging to obtain warranty service.

If the serial number and the product shipping data differ by over 30 days, the inwarranty service will be made according to the shipping date. In the serial numbers the third and fourth two digits give the year of manufacture, and the fifth digit means the month (e. g., with A for October, B for November and C for December).

For example, the serial number 1W15Axxxxxxx means October of year 2015.





Customer Service

We provide service guide for any problem as follow steps : First, visit the website at http://www.winmate.com.tw to find the update information about the product. Second, contact with your distributor, sales representative, or our customer service center for technical support if you need additional assistance. You may have the following information ready before you call :

- Product serial number
- Peripheral attachments
- Software (OS, version, application software, etc.)
- > Description of complete problem
- > The exact wording of any error messages

In addition, free technical support is available from our engineers every business day. We are always ready to give advice on application requirements or specific information on the installation and operation of any of our products. Please do not hesitate to call or e-mail us.

Notice

- 1. Do not use abrasive cleaners, waxes or solvents for cleaning, use only a dry or damp, soft cloth.
- 2. Use only with a high quality, safety-approved, AC/DC power adapter.

Safety Precautions

• Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

• Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

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CHAPTER 2 Getting started



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Windy Plus Box PC CHAPTER 2 GETTING STARTED

Congratulations for you to purchase this rugged box computer.

This chapter tells you step by step how to boot up the box computer. You can find instructions

for the following procedures:

Connecting the AC Power

Our box PC can operate either on the external AC power adapter or internal battery power. It is suggested that you use AC power when you boot up the box PC first time.

Caution !!!

Use only the AC adapter included with your box PC. Using aftermarket AC adapter may damage the box PC. When you disconnect the AC adapter, disconnect from the electrical outlet first and then from the box PC. When unplugging the connector, always hold the plug head. Never pull on the cord.

- 1. Make sure that the box PC has been shut down.
- 2. Rotate the box PC on the proper side and take off the battery cover, then put battery pack

into the battery slot with cover.



4. Open the IO protect cover, then plug the DC cord of the AC adapter to the power connector of the box PC.



- 5. Plug the female end of the AC power cord to the AC adapter and the male end to the power electrical outlet.
- 6. Boot up the Box PC few seconds later after power is being supplied from the electrical outlet to the AC adapter.
- 7. When the AC adapter is connected, the Battery Pack is also under charging. You can check the battery status LED indicator to see the currently progress. The indicator turns to green

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when is fully charged.

Boot up and shut down the Windy

Boot up the Windy

- 1. Put your Windy on a flat and stable surface or holding the Windy on your hand.
- 2. Make sure that the Windy is either connected to AC power or the battery pack with power.
- 3. Press the power button by 3~4 seconds to boot it up.



Shut down the Windy

To turn off the Windy power, click the "Shut Down" command of your operating system.

Caution !!!

If you have to boot up the Box PC again immediately after shut it down, wait for at least five seconds. Turning the Box PC off and on rapidly may damage it.





How to wake up Windy by TX box

When the Windy is in S3 or S5 mode, you can wake it up with a TX box (optional). Please follow the steps list below to apply this function.

- 1. Set the Windy from working state (S0) into sleep state (S3) or Soft Off state (S5)
- 2. Take out the TX box and connect it to power source (5V DC in).



3. Aim the IR receiver (either of three) on Windy with TX box. From distant location (<10m), please push the button on top of TX box. The red cross laser should be helpful for alignment.



4. To avoid the repeat signal interference, Windy is designed to ignore same wake up signal from TX box in 30sec. It's recommended to adjust the DIP switch on the bottom of TX box after wake up the Windy from S3 or S5 mode.











Windv Plus Box PC Diagram of front view



Diagram of Side view







Windy Plus Box PC Diagram of I/O view



Instruction of OSD & LED Status Indication

LED Status Indication



Power button

LED Status Indication Description

LED Term	LED Indicator	Indicator Status Description
Power mode		Green light:Power On No light :Power Off
Battery Status	· · • • • ● • ● • ● • ● • ● • ● • ● • ●	No light : Charge completely or Normal using (>10%) Orange Light : Under charging Red Light Blinking : Low Battery (<10%)
Storage \\\Status	· • • • • ⓑ	Green light : Storage operating

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Wi Ei Statuc	Green light: Wi-Fi operating
WI-FI Status	No light : Wi-Fi suspend





Windy Plus Box PC Product Specifica

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41.0

The product specification(default) as the following table description:

System Main board Spec							
Processor	Intel® Pentium® Processor N4200 1. 1GHz, turbo up to 2.5GHz						
BIOS	Insyde System BIOS						
System Memory	1 x 8GB SODIMM DDR3L-1866 (Max 8GB)						
LAN Controller	Intel I210						
Storage	1 x M.2 2242 Key B 256GB SSD,						
	1 x M.2 2242 Key B SSD slot (empty as default)						
Audio	Microphone(-42±3dB) x1						
External I/O & Buttons	3						
OSD	1x Power Button (Top side)						
LAN	1x RJ45 (I/O side)						
2.5 Power Jack	1x 19V DC in (I/O side)						
USB	1x USB 3.0/2.0 (I/O side)						
VGA	1x VGA (I/O side)						
Docking connector	OBD type						
Internal I/O & Buttons							
SSD/Wi-Fi	M.2 x4 (2 for SSD / 1 for Wi-Fi/1 for WWAN)						
LAN	Wafer for e-COM CAN BUS						
LED panel	GPIO (PWM) x3						
Wireless Communicat	tion						
Wi-Fi + BT	802.11 ac,a/b/g/n Wi-Fi M.2 card						
Wake up sensors							
G sensor	3D acceleration sensor up to 10g						
	Drop detection and motion wake up						
	Controlled by software API (Customization)						
IR Sensor	IR Sensor x3, Wake up function with TX Box (16bit ID signal)						
LED indicator							
OSD	Indicator of Power/SSD/Battery/Wi-Fi/ operating status						
LED pane	3x pairs for indicating Undefined status (front & back side)						
	LED light by RGB combined colors						
Software							
OS	Windows 10 IOT Enterprise						





Product Specification (continue)						
Mechanical and Envir	onment					
Weight	1.3 Kg (w/o accessories)					
Operating	10°C 50°C					
Temperature	-10 (~30 (
Operating Humidity	10% to 95% (non condensing)					
Mounting	Suction cup with handle					
Shock	MIL-STD-810G M516.6 (By request)					
Vibration	MIL-STD-810G M514.6 (By request)					
Drop	4 ft, Free to concrete					
Certifications	CE, CE Wi-Fi, FCC, CCC					
Power Management						
Power Input	19V DC in					
Battery	Li-Ion battery 3000mAh, 7.4V					
Adapter	100-240V, 50-60Hz, 19VDC					

/ . . . (* . . .)^{*}





CHAPTER 3 Useful Information



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To implement the process of function test or BIOS update, you have to use VGA connector to show the Windy's output to a display (Resolution will be adjusted automatically).



1. The procedure to test connecting with OBD BOX

1.1 After running the program, please select the "P-Module VBat Test".

NISP Version 08.07.05_64	– 🗆 X
Daimler Testbox	Software
Please make	a selection.
<u>P</u> -Module VBat Test	<u>P</u> -Module Test CAN1
<u>P</u> -Module Test DolP	Windy LED Test
IR Test (Windy)	<u>S</u> leep Test
<u>R</u> eset	<u>E</u> xit
Precode	999 2:35:56 PM
	NiSP 08.07.05_64 Oct 31 2019





1.2 Click all the testing Item sequentially. It will show green when it Pass, but red when Fail. -

NISP Version 08.07.05_64	- u x
Daimler Testbox	Software 🕖
Please make	a selection.
<u>P</u> -Module VBat Test	<u>P</u> -Module Test CAN1
<u>P</u> -Module Test DolP	Windy LED Test
IR Test (Windy)	<u>S</u> leep Test
<u>R</u> eset	<u>E</u> xit
Precode	999 2:35:56 PM
	NiSP 08.07.05_64 Oct 31 2019

1.3 After all the test has been done, please click the "EXIT" icon.





2. The procedure to update bios of MCU

2.1 Open	"MCL	J AP" fol	Ider and run "SerialBootloaderDataSource.exe"	
SerialBoot	loader	DataSourc	e 5/12/2013 6:44 AM Application	41 KE
2.2. a. Clio c. Clio	ck "So ck "O	elect He pen"	ex File(s)" b. Click .hex file d. Run the Hex file successfully as follow.	
			IBWD PWC	
Silicon Labs MCL Select Hex File(s)	J Serial Bo COM F COM1	Port Baud Ra	Source	
Field Type	Hex Image	Target Info	Silicon Labs MCU Serial Bootloader DataSource v0.1.	
MCU Code BL Type	93 UART	lo Data lo Data	Hex File was processed successfully! See table for extracted info.	
Flash Page Size	1024	lo Data		
App FW Versio	1.1	lo Data		
Reserved	25	lo Data		
App Start Addr	000400	lo Data		
App End Addr	0077FF	lo Data		
BL FW Version	No Data	No Data		
BL Buffer Size	No Data	No Data		
CRC Type	No Data	No Data		
Update	Application	Firmware	Verbose Show Raw Data	

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2.3 a. Click "COM Port"b. Click "Open COM Port"□ Please do not close the whole program window.

Silicon Labs MCU Serial Bootloader Data Source COM Port Baud Rate Data Bits Stop Bits Flow Control Parity Select Hex Close COM Port COM1 115200 - 8 ▼ None ▼ One File(s) + - None Hex Silicon Labs MCU Serial Bootloader DataSource v0.1. Please select a Hex file and then open the COM port. Field Type Image Target Info Info MCU Code 93 No Data Hex File was processed successfully! See table for extracted info. UART BL Type No Data Port opened: COM1 Flash Page Size 1024 No Data Waiting for commands from the Master MCU... App FW Version 1.1 No Data Reserved 25 No Data App Start Addr 000400 No Data App End Addr 0077FF No Data BL FW Version No Data No Data **BL Buffer Size** No Data No Data CRC Type No Data No Data Verbose 📃 Show Raw Data Clear Display Update Application Firmware

2.4 Run "DaimlerMCUControl.exe"

1	DaimlerMCUControl	5/14/2015 5:30 AM	Application	67 KB

2.5 Click "Enter Burn"





				Daimle	erMCUControl V1.	J.U.4		_	_	_	L
				Port	: COM1	Connect	Disconnect Get	BIOS BOM	Get BIOS Name	Get Event	Load Default
				IR	OBD Butto	n RTC DC G-Se	nsor I2C	_			
					Get IR Wake	Set IR Enable	Set IR Disable]			
					Get IR1 Count	Get IR2 Count	Get IR3 Count				
					Get IR1 Timer	Get IR2 Timer	Get IR3 Timer				
icon Labs MCU	Serial Bo	ootloader Data S	ource		Get IR1 Code	Get IR2 Code	Get IR3 Code				
Select Hex	COMF	Port Baud Rate	e Data Bits Pa		Get IR1 Table	Get IR2 Table	Get IR3 Table				
File(s)	COM1	▼ 115200	▼ 8 ▼ Nor		Set IR1 Clear	Set IR2 Clear	Set IR3 Clear				
Field Type	Hex Image Info	Target Info	Silicon Labs M Please select			,					
MCU Code	93	No Data	Hex File was p					1			
BL Type	UART	No Data	extracted into.								Clear
Flash Page Size	1024	No Data	Port opened: C	M	CU Burn						
App FW Version	1.1	No Data	Waiting for col		Enter Bum	Reset					
Reserved	25	No Data									
App Start Addr	000400	No Data	1) U	_			17				
App End Addr	0077FF	No Data									
BL FW Version	No Data	No Data									
BL Buffer Size	No Data	No Data									
CRC Type	No Data	No Data									
Update A	pplication	Firmware	Verbose S	now Ra	aw Data	Clear Display					

2.6 If the program shows the notice *"Click the 'Update Application Firmware' button to continue "*, please click "Update Application Firmware".

Field Type Im Inf MCU Code 93 BL Type UA	Hex mage nfo 3 3	Target Info	Silicon Labs MCU Serial Bootloader DataSource v0.1. Please select a Hex file and then open the COM port.
MCU Code 93 BL Type UA	3 1		
BL Type UA		36	Hex File was processed successfully! See table for
1990 Col (750280	ART I	UART	
Flash Page Size 102	024 1	1024	Port opened: COM3
App FW Version 0.1	.1 (0.1	Waiting for commands from the Master MCU
Reserved 25	5 2	25	Fror Invalid Command Code
App Start Addr 000	00400 (000400	Received Command 'Dienlay Tamet Info' [0x83]
App End Addr 007	077FF (0077FF	
BL FW Version No	o Data 1	1.0	See table for details.
BL Buffer Size No	o Data 🤱	512	Click the 'Update Application Firmware' button to continue
CRC Type No	o Data (CRC-16-CCITT	1

2.7 When the message "Bootload process completed successfully!" appears in the columm, it means update boot loader process was fully completed.





Select Hex File(s)	COM F	▼ 115200	Vata bits Parity Stop bits Flow Control
Field Type	Hex Image Info	Target Info	Received Command 'GetHexImageInfo' [0x80] Received Command 'GetPageInfo' [0x81] Received Command 'GetPage' [0x82]
MCU Code	93	36	Received Command 'Get PageInfo' [0x81]
BL Type	UART	UART	Received Command 'GetPage' [0x82] Received Command 'GetPageInfo' [0x81]
Flash Page Size	1024	1024	Received Command 'GetPage' [0x82] Received Command 'GetPageInfo' [0x81]
App FW Version	0.1	0.1	Received Command 'GetPage' [0x82] Received Command 'GetPageInfo' [0x81]
Reserved	25	25	Received Command 'GetPage' [0x82]
App Start Addr	000400	000400	Received Command 'GetPage' [0x82]
App End Addr	0077FF	0077FF	Received Command GetPage/[0x81] Received Command 'GetPage' [0x82]
BL FW Version	No Data	1.0	Received Command 'GetPageInfo' [0x81] Received Command 'GetPage' [0x82]
BL Buffer Size	No Data	512	Received Command 'GetPageInfo' [0x81]
CRC Type	No Data	CRC-16-CCITT	Bootload process completed successfully!
	1		Waiting for commands from the Master MCU

3. The procedure to test all the Wake up function

3.1 IR Wake up

- a. Implement Daimler MCU Control and perform COM Port Connect to COM3 then set IR Enable.
- b. Click Get IR Wake and make sure IR Wake Status=Enable
- c. Let the system to Sleep / Hibernate / Shout down Mode, then use the TX BOX to wake Windy up and get event to confirm which IR worked.

d. Click Get IR Table and make sure if it has count, the information of time and ID need to be correct.





ort	COM1		\sim	Connect	Disco	nnect	Get B	IOS BOM	Get BIOS Name	Load Default	
Get Event			Clear E	vent	Set MCU be awake			Get IR Wa	ke > Status=Enable		
R OBD Button RTC Get IR Wake Set Get IR1 Count Get Get IR1 Timer Get			Docking IR Enable IR2 Count t IR2 Timer	G-Sensor Se Ge	LED t IR Disa t IR3 Co t IR3 Tir	LED2 ible unt mer	Get IR1 Ta Set Succe Get Event Get IR3 Ta Get Event Get IR1 Ta Set Succe Get Event Get IR2 Ta Get Event	bile > Count=4 Date=21 ss > IR3 bile > Count=11 Date=; > IR1 bile > Count=22 Date=; ss > IR2 bile > Count=5 Date=21 > IP2	020/09/02 13:43:50 II 2020/09/02 13:45:00 2020/09/02 13:46:43 020/09/02 13:51:52 II	D1=27 ID2=112 ID1=27 ID2=112 ID1=27 ID2=112 D1=128 ID2=7	
	Get IR1 Code Get IR2 Code Get IR1 Table Get IR2 Table Set IR1 Clear Set IR2 Clea			IR2 Code	ide Get IR3 Code ble Get IR3 Table ear Set IR3 Clear Code Get Last IR3 Code			Get Event Get IR2 Ta Set Succe Get Event Get IR2 Ta Get Event	> IR2 ss > IR2 sble > Count=6 Date=21 s IR1 > IR1 shle > Count=6 Date=21	020/09/02 13:53:11 II 020/09/02 13:54:10 II)1=192 ID2=6)1=224 ID2=0
Get Last IR1 Code		Get L	ast IR2 Code	Get IN1 Table > Count=0 Date=2020/09/02 13:35:36 ID 1=240 ID2=1 Set Success Get Event > IR1 Get IN1 Table > Count=9 Date=2020/09/02 14:00:29 ID1=248 ID2=1 Get Event > IR1 Get F1 Table > Count=13 Date=2020/09/02 14:01:46 ID1=248 ID2=1							
мс	U Bum										Clear Displa
	Enter Burn		Re	set							

- 3.2 OBD In Wake up
- a. Implement Daimler MCU Control and perform COM Port connect to COM3 then set OBD In Enable.
- b. Click Get OBD In and make sure OBD In Wake Status=Enable。
- c. Allow the system to enter the Sleep / Hibernate / Shout down Mode and plug in the OBD cable to wake up the Porty G3 S. Click get Event to confirm whether wake up by OBD In.
- d. Click OBD In Setting make sure whether the count and time information are correct.





Get Event	Clear Event	Set MCU be awa	ake Get OBD Get Event	n Wake > Status=Enal > OBD In	ble				
IR OBD Button	RTC Docking C	G-Sensor LED	LED2 Get OBD Get Event	In Table > Count=1 Dat > OBD In	te=2020/09/02 14:40:03				
Get OBD In Wake Get OBD In Fail		Get OBD Out V	Get OBD Out Wake Get OBD In Table > Count=1 Date=2020/09/02 14:40:51 Get Event > OBD In Get DBD In Table > Count=1 Date=2020/09/02 14:40:51						
OBD In Enable	Count	OBD Out Ena	able Get Event	> OBD In	te=2020/03/02 14:42:17				
0001.0.11	Clean OBD In Fail		Get OBD Get Event	In Table > Count=1 Dat > OBD In	te=2020/09/02 14:43:03	6			
OBD In Disable	Count	OBD Out Dis	able Get OBD	n Table > Count=1 Dat					
Get OBD In Count	Get OBD In Wake	Get OBD Out 0	Count Get OBD	Get OBD In Table > Count=1 Date=2020/09/02 14:49:44					
Get OBD In Timer	On Delay	Get OBD Out	Timer Get Event	Get Event > OBD In Get OBD In Table > Count=1 Date=2020/09/02 14:51:04 Get S2 OBD Charger > Status=Disable					
Get OBD In Table Set OBD In Wake On Delay Set OBD In Clear Delay: 5 \$		Get OBD Out	Table Get OBD	> OBD In In Table > Count=1 Dat	te=2020/09/02 14:53:01				
		Set OBD Out	Clear Set Succe Get OBD	Set OBD in Pail Count > Count = 0 Set Success Get OBD in Wake On Delay > 0 sec					
Get S3 OB	D Charger		Set Succe Get OBD Get Event	n Wake On Delay > 5 > OBD In	sec				
S3 OBD Cha	arger Enable		Set Succe Get S3 Of	ess 3D Charger > Status=E	nable				
S3 OBD Cha	rger Disable		JGet Event	>OBD In					
6						Clear Display			
MCU Bum									

3.3 OBD Out Wake

up

- a. Implement Daimler MCU Control and perform COM Port connect to COM3 then set OBD out enable.
- b. Click Get OBD Out and make sure OBD Out Wake Status=Enable。
- c. Allow the system to enter the Sleep / Hibernate / Shut down Mode and un-plug the OBD cable to wake up the Porty G3 S. Click get Event to confirm whether wake up by OBD Out.
- d. Click OBD Out settings and make sure whether the count and time information are correct.









down Mode and press the

power button to wake up the Porty G3 S. Click get Event to confirm whether wake up by Button.

d. Click OBD Out setting make sure whether the count and time information are correct.





DaimlerMCUControl V1.1.1.8

Clear Ev	vent	Set MC	U be <mark>awa</mark>	ake	Get Button Wake > Status=Enable Get Event > Button					
	Docking	G-Sensor	LED	LED2	Get Event Get Event Get Button Get Event Get Button	> Button Table > Count=1 Date > Button Table > Count=1 Date > Button Table > Count=1 Date	=2020/09/02 15:13:05 =2020/09/02 15:15:02 =2020/09/02 15:16:10			
								Clear Display		
	ton RTC	ton RTC Docking	ton RTC Docking G-Sensor	ton RTC Docking G-Sensor LED	ton RTC Docking G-Sensor LED LED2	Get Event Get Button Get Event Get Button Get Event Get Button	ton RTC Docking G-Sensor LED LED2 Get Button Table > Count=1 Date Get Event > Button Get Button Get Button Table > Count=1 Date Get Button Table > Count=1 Date	Get Event > Button Get Euton Table > Count=1 Date=2020/09/02 15:13:05 Get Event > Button Get Button Table > Count=1 Date=2020/09/02 15:15:02 Get Event > Button Get Button Table > Count=1 Date=2020/09/02 15:15:02 Get Button Table > Count=1 Date=2020/09/02 15:16:10		

3.5 RTC Wake up

- a. Implement Daimler MCU Control and perform COM Port connect to COM1 then set RTC enable.
- b. Click Get RTC Wake and make sure RTC Wake Status=Enable.
- c. Click on the Time Sync and allow time synchronization
- d. Click Get Time, confirm the time is synchronized
- e. Set Alarm Time in order to set the wake-up time.
- f. Allow the system to enter the Sleep / Hibernate / Shut down Mode and after a specified time to wake up Windy Plus. Click get Event to confirm whether wake up by RTC.
- g. Click Get RTC Table and make sure whether the count and time information are

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correct. h. You can choose Year/Month/Day/Hour/Minute in Alarm Repeat Mode.

Get Event	Clear Event	Set MCU be awa	ke Get RTC	Wake > Status=Disable	8	
R OBD Button Get RTC Wake Set RTC Enable Set RTC Disable Get RTC Count Get RTC Timer Get RTC Table Set RTC Clear	RTC Docking O Time Sync Get Time Set Alarm Time 09-02 PM 03:34:28 Alarm Repeat Mode Get Alarm Time	S-Sensor LED	Set Succe Get Set Succe Get Alam Get Event Get RTC Set Succe Get Alam Get Event Get RTC Set Succe Get Alam Get Event Get RTC	ess > Date=2020/09/02 15 > Date=2020/09/02 15 > Alam(RTC) Table > Count=1 Date= =ss Time > Date=09/02 15 > Alam(RTC) Table > Count=1 Date= =ss Time > Date=09/02 15 > Alam(RTC) Table > Count=1 Date=	5:26:42 5:29:28 2020/09/02 15:29:28 5:32:28 2020/09/02 15:32:28 5:34:28 2020/09/02 15:34:28	
ICU Bum						Clear Display

3.6 Docking In Wake up

- a. Implement Daimler MCU Control and perform COM Port connect to COM1 then set DC In enable.
- b. Click Get Docking In Wake and make sure Docking in Wake Status=Enable。
- c. Allow the system to enter the Sleep / Hibernate / Shut down Mode and plug in the power adapter to wake up the Windy Plus, Click get Event to confirm whether wake up by DC Power In.
- d. Click Get Docking In Table and make sure whether the count and time information are correct

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Windy Plus Box PC

3.7 Docking Out Wake up

- a. Implement Daimler MCU Control and perform COM Port connect to COM1 then set Docking Out enable.
- b. Click Get Docking Out Wake and make sure Docking Out Wake Status=Enable.
- c. Allow the system to enter the Sleep / Hibernate / Shut down Mode and unplug the power adapter to wake up the Windy Plus. Click get Event to confirm whether wake up by DC Power Out.
- d. Click Get Docking Out Table and make sure whether the count and time information are correct.

DaimlerMCUControl V1.1.1.8

Get Event Clear	Event Set MCU be a	wake Get Docking In Wake > Status=Disable					
OBD Button RTC Get Docking In Wake Set Docking In Enable Set Docking In Disable Get Docking In Count Get Docking In Timer Set Docking In Table	Docking G-Sensor LED Get Docking Out Wake Set Docking Out Enable Set Docking Out Disable Get Docking Out Count Get Docking Out Timer Get Docking Out Table Set Docking Out Clear	LED2 Get Doc Get Doc Get Doc Get Doc Get Doc Get Doc Get Doc Get Doc	cess sking In Wake > Status=E ent > Docking Power In sking In Table > Count=1 wing In Table > Count=1 sking Out Wake > Status= cess sking Out Wake > Status= ent > Docking Power Out sking Out Table > Count= ent > Docking Power Out sking Out Table > Count=	inable Date=2020/09/02 16:16:43 Date=2020/09/02 16:19:30 -Disable -Enable 1 Date=2020/09/02 16:20:4 1 Date=2020/09/02 16:22:5	45 36		
		-			Clear Dis		

3.8 G-Sensor Wake up

a. Implement Daimler MCU Control and perform COM Port connect to COM1 then set G-Sensor enable.

- b. Click Get G-Sensor Wake and make sure G-Sensor Status = Enable。
- c. Click on the G-Sensor Int to adjust the sensitivity of G-Sensor (10 to 0).
- d. Allow the system to enter the Sleep / Hibernate / Shut down Mode and motion the Windy Plus to wake up it. Click get Event to confirm whether wake up by G-Sensor.
- e. Click Get G-Sensor Table and make sure whether the count and time information are correct.

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Get Event	Clear Event	Set MC	U be awa	ke	Get G-Ser	nsor Wake > Status=Di	sable	
IR OBD Button	RTC Docking	G-Sensor	LED	LED2	Get G-Ser Set Succe Set Succe	ess hsor Wake > Status=Er ess ess	nable	
Get G-Sensor Wake	G-Sensor Init				Get Sensit Get Event Get G-Ser	tivity > 10 : > G-Sensor 1sor Table > Count=2 E)ate=2020/09/02 16:26	5:36
G-Sensor Disable	Sensitivity : 5	÷			Set Succe Get Sensit Set Succe	ess tivity > 5 ess		
Get G-Sensor Count	Get Sensitivity				Get Event Get G-Ser	: > G-Sensor nsor Table > Count=1 [0ate=2020/09/02 16:27	7:56
Get G-Sensor Timer								
Get G-Sensor Table								
Set G-Sensor Clear								
					1			Clear Dis
MCU Bum								
Enter Burn	Reset							





CHAPTER 4 Troubleshooting



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Windy Plus Box PC Troubleshooting

Problem	Solution
The removable battery is not charging.	✓ Make sure the AC adapter is properly
	connected, and that the removable
	battery is properly inserted.
Nothing appears on the output display.	✓ The Windy may be in sleep mode. Press
	the power button to wake it up.
Wireless LAN signal quality is poor.	✓ The Windy may be out of wireless
	sufficient range. Move the Windy to be
	more closer to the access point.
	✓ Check if your surroundings have
	interferences, such as microwave ovens,
	cordless phones. Move the Windy away
	from objects causing interference.
Can't connect to other wireless LAN	✓ Make sure that function of wireless LAN
device.	has been turned on.
	✓ Make sure that the SSID setting is the
	same for every wireless LAN device in the
	network.
	✓ Restart the Windy.
	✓ Make sure the IP address or subnet mask
	setting is correct.
Can't connect to other device with	✓ Make sure that both devices have
Bluetooth.	Bluetooth turned on.
	✓ Make sure that the distance between both
	devices is within 10 meters and there are
	no walls or large obstructions between
	the devices.
	\checkmark Make sure the both devices are turned on
	and configured to be discoverable.
	\checkmark Make sure that both devices are
	compatible.





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FCC Warning

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.

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.