Instruction Manual

High-Definition Link for Chevrolet(GM)

DIP SWITCH		WDE WODE	РОМЕR/С
	⊡ HID −LIN	ΙK	
	• IW03GF • DIGITAL MULTI INTERFA FOR CHEVROLET	CE	
HDMI IN PC	USB WER NAVI IN	UART I/F	LVDS OUT

Model Name	IW03GF-HNRAA
Latest Firmware Date	2015 - 06 - 17
Manual Version	Rev. 3.6
Language	English





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Cautions

- IW03GF-related
 - You should check the names and colors of each wires exactly, before you connect the wires. ex) CAN HIGH: White wires / CAN LOW: Blue wires
 - The 'POWER / CAN Cable' should always be connected last and be disconnected first.
 - The 'Mode Switch' is an optional part to change modes forcibly without CAN-BUS. Generally, the CAN-BUS wires are connected for changing modes by original buttons.
 - When the reverse gear is not detected by CAN-BUS, the 'REVERSE 12V IN wire' should be spliced with 12V power of reverse light.

HDMI device-related

- HDMI mode accepts general-screen resolution of HDMI devices(1080P / 1920*1080).
 If screen size of HDMI does not fit on the monitor, should adjust screen size & position in 'settings mode'.
- Generally, '5V 1A Power output(5V USB POWER)' is a standard voltage for charging smartphone. If you need higher voltage than 5V, you should add a separate power supply.

Navigation(GPS) box-related

- When you connect the power wires(B+, ACC) to the navigation(GPS) box, the 'NAVI (12V) OUT' wire supported by IW03GF should be spliced with an ACC wire of navigation box.
- After installation is done, select an applicable navigation(GPS) box model in the 'Navigation model selection menu' of setting mode.
- The navigation box should be powered off before unplugging the HDMI cable.









БОМЕК/СУИ (МОDE) IN (А/IN/OUT) DIE ZMITCH					
· IW03GF ·					
HDMI IN 5V USB NAVI IN UART I/F LVDS OUT					
(f) (g) (h) (i) (j)					

- a DIP SWITCH
- b AV IN / OUT
- © TOUCH IN (Connect To Set top Device)
- d MODE
- e POWER / CAN
- (f) HDMI IN
- g 5V USB POWER
- (h) NAVI IN
- (i) UART I/F
- (j) LVDS OUT



Components



Optional Parts(sold separately at the indiwork)





HDMI Cable (Male to Male) HDMI Extender (For stick type HDMI device)

Mode Switch

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Full Installation Diagram ^{MALIBU}







Navigation Box



Full Installation Diagram [LACROSSE & CAMARO & VOLT]





HDMI Connection Diagram







Navigation Connection Diagram

Navigation Connection Diagram



MICROCITY - N-Link



Compatibility Chart for Navigation(GPS) box models



• The 'IW03GF(HD-Link)' supports navigation(GPS) box models equipped with 'Digital video output'.

• It does not support the 'RGB video signals'.



GVIF Connection Diagram



Monitor(OEM)



20-pin IN / OUT Connector Connection Diagram



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Genuine Rear view camera Connection Diagram





Hazard Module Connection Diagram



*Hazard Module is just available with 'Smart Drive function of N-Link' navigation in South Korea.



Body Connector specifications





Car Compatibility Chart

Car Models	Production Year	Specific Models	
Malibu (Chevrolet)	2012 -	Equipped with MyLink, New MyLink or OEM NAVI system	
Orlando (Chevrolet)	2013 -	Equipped with New MyLink or OEM NAVI system	
Lacrosse (Buick)	2010 -	Equipped with Intellilink(Next Gen Info.) or OEM NAVI system	
Camaro (Chevrolet)	2013 -	Equipped with New MyLink or OEM NAVI system	
Cruze (Chevrolet)	2013 -	Equipped with OEM NAVI system	
Volt (Chevrolet)	2013 -	Equipped with MyLink	





Activation by original buttons of **MALIBU**



Head Unit & Climate Controllers

MALIBU - MyLink, New MyLink

Button	Function	Operation	Remarks		
1 номе	Changing Modes	Press the button 2 seconds long.	Order: HDMI \rightarrow NAVI \rightarrow AV1 \rightarrow AV2 \rightarrow OEM		
		Press the button 2 times quickly. < 0	$DEM \rightarrow NAVI >$		
	Shortcut to Each modes	Press the button 3 times quickly. $\langle OEM \rightarrow AV1 \rangle$			
HOIVIE		Press the button 4 times quickly. $< OEM \rightarrow AV2 >$			
1 НОМЕ	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW03GF. It is only possible to use the OEM functions under it is locked.		
Buttons marked with yellow	Back to OEM	Press the buttons short.	Return to the OEM mode in any modes.		
2 васк	Changing mode to Front View CAM mode(AV1)	Press the button 2 seconds long.	It changes the screen from any modes to AV1 mode directly.		
2 васк	Reset to factory default setting and power.	Press the button 10 seconds long.	You can use this function when you get in trouble to see the screen while setting the screen.		
3 INFO	Enter into the setting menu	Press the button 5 seconds long.			
Buttons marked with blue	Climate interlocking	Press the button 2 short.	Return to the OEM mode for 3 seconds.		

*[MyLink with OEM Navigation]

FAV button / Changing Modes: Press the button short.



Activation by original buttons of **ORLANDO**





Head Unit & Climate Controllers

ORLANDO - New MyLink

Button	Function	Operation	Remarks		
1 номе	Changing Modes	Press the button 2 seconds long.	Order: HDMI \rightarrow NAVI \rightarrow AV1 \rightarrow AV2 \rightarrow OEM		
		Press the button 2 times quickly. < 0	$DEM \rightarrow NAVI >$		
	Shortcut to Each modes	Press the button 3 times quickly. $< OEM \rightarrow AV1 >$			
HOIVIE		Press the button 4 times quickly. < OEM \rightarrow AV2 >			
1 HOME	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW03GF. It is only possible to use the OEM functions under it is locked.		
Buttons marked with yellow	Back to OEM	Press the buttons short.	Return to the OEM mode in any modes.		
2 васк	Changing mode to Front View CAM mode(AV1)	Press the button 2 seconds long.	It changes the screen from any modes to AV1 mode directly.		
2 васк	Reset to factory default setting and power.	Press the button 10 seconds long.	You can use this function when you get in trouble to see the screen while setting the screen.		
3 INFO	Enter into the setting menu	Press the button 5 seconds long.			
Buttons marked with blue	Climate interlocking	Press the button 2 short.	Return to the OEM mode for 3 seconds.		

*[MyLink with OEM Navigation]

NAVI button / Changing Modes: Press the button short.



Activation by original buttons of **LACROSSE**



Head Unit & Climate Controllers

Button	Function	Operation	Remarks	
1 НОМЕ	Changing Modes	Press the button 2 seconds long.	Order: HDMI \rightarrow NAVI \rightarrow AV1 \rightarrow AV2 \rightarrow OEM	
		Press the button 2 times quickly. < 0	$DEM \rightarrow NAVI >$	
	Shortcut to Each modes	Press the button 3 times quickly. < C	$DEM \rightarrow AV1 >$	
HOIVIE		Press the button 4 times quickly. < C	$DEM \rightarrow AV2 >$	
1 НОМЕ	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW03GF. It is only possible to use the OEM functions under it is locked.	
Buttons marked with yellow	Back to OEM	Press the buttons short.	Return to the OEM mode in any modes.	
2 ВАСК	Changing mode to Front View CAM mode(AV1)	Press the button 2 seconds long. It changes the screen from any modes to directly.		
2 ВАСК	Reset to factory default setting and power.	Press the button 10 seconds long.	You can use this function when you get in trouble to see the screen while setting the screen.	
3 INFO	Enter into the setting menu	Press the button 5 seconds long.		
Buttons marked with blue	Climate interlocking	Press the button 2 short.	Return to the OEM mode for 3 seconds.	

Lacrosse – Intellilink Infotainment

*[Intellilink with OEM Navigation]

NAVI button / Changing Modes: Press the button short.



Activation by original buttons of **CAMARO**



Head Unit & Climate Controllers

Button	Function	Operation	Remarks	
1 васк	Changing Modes	Press the button 2 seconds long.	Order: HDMI \rightarrow NAVI \rightarrow AV1 \rightarrow AV2 \rightarrow OEM	
		Press the button 2 times quickly. < 0	$DEM \rightarrow NAVI >$	
	Shortcut to Each modes	Press the button 3 times quickly. $\langle OEM \rightarrow AV1 \rangle$		
BACK		Press the button 4 times quickly. < C	$DEM \rightarrow AV2 >$	
ВАСК	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW03GF. It is only possible to use the OEM functions under it is locked.	
Buttons marked with yellow	Back to OEM	Press the buttons short.	Return to the OEM mode in any modes.	
2 TONE	Changing mode to Front View CAM mode(AV1)	Press the button 2 seconds long.	It changes the screen from any modes to AV1 mode directly.	
2 TONE	Reset to factory default setting and power.	Press the button 10 seconds long.	You can use this function when you get in trouble to see the screen while setting the screen.	
3 CONFIG	Enter into the setting menu	Press the button 5 seconds long.		
Buttons marked with blue	Climate interlocking	Press the button 2 short.	Return to the OEM mode for 3 seconds.	

CAMARO - New MyLink

*[MyLink with OEM Navigation]

- **(2)** MENU/SELECT button / Switching to AV1 mode: Press '2 seconds' / Factory Reset: '10 seconds' long.
- **3 SOURCE button** / Entering into the setting menu: Press the button 5 seconds long.



Activation by original buttons of **VOLT**



Head Unit & Climate Controllers

VOLT - MyLink

Button	Function	Operation	Remarks	
1 номе	Changing Modes	Press the button 2 seconds long.	Order: HDMI \rightarrow NAVI \rightarrow AV1 \rightarrow AV2 \rightarrow OEM	
		Press the button 2 times quickly. < OEM \rightarrow NAVI >		
	Shortcut to Each modes	Press the button 3 times quickly. $\langle OEM \rightarrow AV1 \rangle$		
HOME		Press the button 4 times quickly. $\langle OEM \rightarrow AV2 \rangle$		
1 НОМЕ	System Locking / Unlocking	Press the button 10 seconds long.	If you visit car service center, you can lock the all functions of IW03GF. It is only possible to use the OEM functions under it is locked.	
2 ВАСК	Changing mode to Front View CAM mode(AV1)	Press the button 2 seconds long.	It changes the screen from any modes to AV1 mode directly.	
ВАСК	Reset to factory default setting and power.	Press the button 10 seconds long.	You can use this function when you get in trouble to see the screen while setting the screen.	
3 INFO	Enter into the setting menu	Press the button 5 seconds long.		



DIP Switch Settings





Pin OFF(▲) ON(▼) No. Skip HDMI Mode HDMI Mode 1 2 Navigation Mode Skip Navigation Mode 3 **External Rear View Camera** Original Rear View Camera **External Front View** Skip External Front View 4 Camera(AV1 Mode) Camera(AV1 Mode) AV2 Mode Skip AV2 Mode 5 6 7 Selection of car model 8 9 10

No.6	No.7	No.8	No.9	No.10	Car Models
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	Malibu <mylink, mylink="" new=""> Volt <mylink></mylink></mylink,>
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	OFF(▲)	Malibu <oem navigation=""></oem>
OFF(▲)	OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	Orlando <new mylink=""></new>
OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	ON(▼)	Orlando 2015 <new mylink=""> *After August 2014</new>
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	Lacrosse <intellilink></intellilink>
OFF(▲)	OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	Lacrosse <oem navigation=""></oem>
OFF(▲)	OFF(▲)	ON(▼)	OFF(▲)	OFF(▲)	Camaro <mylink, navi="" oem=""></mylink,>
OFF(▲)	OFF(▲)	ON(▼)	ON(▼)	ON(▼)	Orlando <oem navigation=""> Cruze <oem navigation=""></oem></oem>







Button	Function Operation	
INFO (Head Unit Controller)	Enter into the Press the 'INFO' button setting menu 5 seconds long.	
Touch Screen (OEM Monitor)	All functions of setting menu of IW03GF is controlled by a touch screen of the OEM monitor.	

1. Enter into the setting menu.

<Press the 'INFO' button 5 seconds long. / Camaro: CONFIG button>

- HDMI & Navigation settings
- Rear view camera settings
- AV-input settings
- System settings
- System information





HDMI & Navigation settings	Back
Mode Selection : NAVI	< ►
image display	►
Screen position & size	►
Navigation model selection	

2. HDMI mode settings

- Mode selection: HDMI ↔ NAVI
- Image display
 - = Adjust the values of brightness and contrast Red-Green-Blue colors of HDMI display.
- Screen position & size = Adjust position and size of HDMI display.

3. NAVI mode settings

- Mode selection: NAVI ↔ HDMI
- Image display
 Adjust the values of brightness and contrast
 - Red-Green-Blue colors of NAVI display.
- Screen position & size = Adjust position and size of NAVI display.
- Navigation model selection ① Default(N-Link) ② iNAVI - CUBE ③ Class settop
 - (4) MYVI MS1400 (5) iQ 3D 7000 (6) Class PE







4. Rear view camera settings

- Parking guide lines
 - = Adjust position of parking guide lines and select the lines 'ON or OFF'.
- Parking distance control = Select the PDC 'ON or OFF'.
- Image display
 - Adjust the values of brightness and contrast Red-Green-Blue colors of Rear view camera display.

5. AV1(Front view camera) settings

- Mode selection: AV1(Front view camera) ↔ AV2
- Image display
 - Adjust the values of brightness and contrast Red-Green-Blue colors of AV1(Front view camera) display.
- Screen position & size = Adjust the position and size of AV1 display.
- Automatic activation function(AV1)
 - = * Please refer to next page.
- Parking distance control = Entry Disabled / Not applicable.







6. Automatic activation function(AV1)

- Shift gear from reverse to drive
- Shift gear from parking to drive
 - * When you shift gear 'from reverse to drive' or 'from parking to drive', it just works automatically during the activation time you selected.



7. AV2 settings

- Mode selection: $AV2 \leftrightarrow AV1$ (Front view camera)
- Image display
 - = Adjust the values of brightness and contrast Red-Green-Blue colors of AV2 display.
- Screen position & size = Adjust the position and size of AV2 display.







8. System settings

- Safe mode
 - = Select the one of two between 'ON and OFF'.
 - * If you select 'ON', 3 modes(HDMI, NAVI and AV2) will be faded out when the car is driven.

- Factory default

= Reset all setting values to factory default setting.

9. System information

- Mode name: IW03GF-HNRAA
- Firmware date: 2015 06 17(Latest firmware date)
- = You can check the current firmware version date.
- Dip switch settings
 - = You can check the current positions of dip switch settings.

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System inform	a tion - Di	o switch settings	Back
ON OFF	No. 1	HDMI	ON
1	No. 2	Navigation	ON
	No. 3	External rear view camera	ON
	No. 4	AV1	ON
5	No. 5	AV2	OFF
6	No. 6		ON
7	No. 7	Selection of car model	OFF
	No. 8		OFF
9	No. 9		OFF
10	No. 10		ON

ex 1) Actual DIP switch values. (\rightarrow)



Appears on the setting menu. (\downarrow)

No. 1	HDMI	ON
No. 2	Navigation	OFF
No. 3	External rear view camera	ON
No. 4	AV1	ON
No. 5	AV2	OFF
No. 6		OFF
No. 7		ON
No. 8	Selection of car model	OFF
No. 9		ON
No. 10		OFF

10. Information of Dip switch settings

* You can check the current positions of dip switch settings.

ex 2) Actual DIP switch values. (\rightarrow)



Appears on the setting menu. (\downarrow)

No. 1	HDMI	ON
No. 2	Navigation	ON
No. 3	External rear view camera	
No. 4	AV1	ON
No. 5	AV2	OFF
No. 6		ON
No. 7		
No. 8	Selection of car model	OFF
No. 9		
No. 10		

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