

# **VWAG Head Unit User Manual**

**Model Name : MIB3GP**

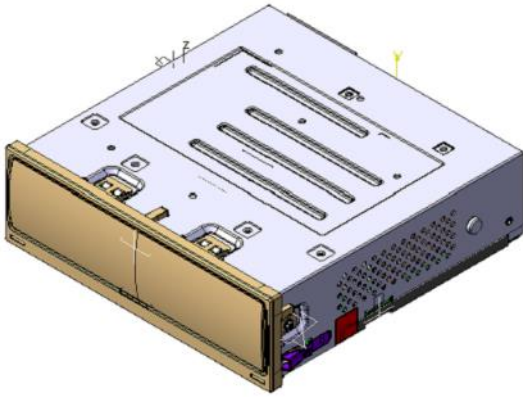
## 1. Overview and Specifications

### (1) Overview

- 1) The Infotainment system provides infotainment in a car, using the latest technology. See your dealer to have the system or software updated and upgraded.
- 2) The radio can be easily used by registering up to 36 AM, FM or DAB with the PRESET button.
- 3) The Infotainment system can play the USB storage device or iPhone products.
- 4) The Bluetooth phone connection function allows for the use of wireless hands-free Phone calls, as well as a phone music player.  
In addition, the WiFi function is provided.

### (2) Product Specifications

Item	Categories	Specifications
Specification	Product Name	MIB3CLASSIC
	Product Marketing name	Car Navigation
	Model	MIB3CLASSIC
	Dimensions	Refer to image
	Weight	1.3kg
	Power source	DC 14V
	Operational temperature range	-40 °C ~ 80 °C

**MIB3CLASSIC**

<b>System</b>	<b>CPU</b>	<b>Samsung V7</b>
	<b>RAM</b>	<b>LPDDR4x 12GB</b>
	<b>Storage</b>	<b>UFS V2.1 128GB</b>
	<b>OS</b>	<b>Android 1.0</b>
	<b>MICOM</b>	<b>NXP SC668108CMJ2</b>
<b>Audio/Radio</b>	<b>DSP</b>	<b>NXP Mercury</b>
<b>Interface</b>	<b>Interface</b>	<b>HUD, (Cluster)</b>

## Main Features

### **Broadcast**

- Dual Tuner with TMC(RDS)

### **Media**

-USB

### **Connectivity**

-Bluetooth ver5.2 EDR, Wifi (IEEE 802.11 a/b/g/n/ac)  
Car Play, Android Auto

### **Ethernet network**

-OCU(Telematics)

### **Audio**

-Internal AMP

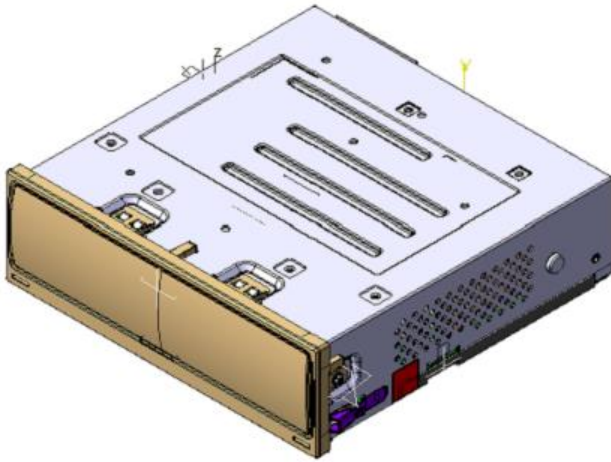
### **Navigation**

-Google Map

### **In-Vehicle Network**

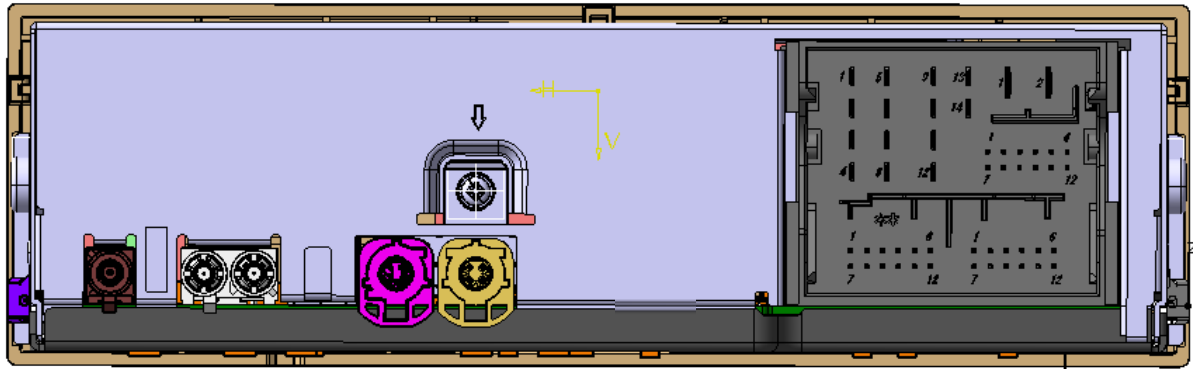
-CAN

### (3) Dimension & Rear connector information



Size : 188.8 x 195.7x 57.8

### MIB3CLASSIC



- XM
- AM/FM
- Display
- USB

Quad Lock  
Power

**(4) RF specifications****Radio**

Item	Frequency range	Unit
FM	87.75 ~ 107.9	MHz
AM	530 ~ 1710	kHz
SXM	2333.465 ~ 2344.045	MHz

**Bluetooth**

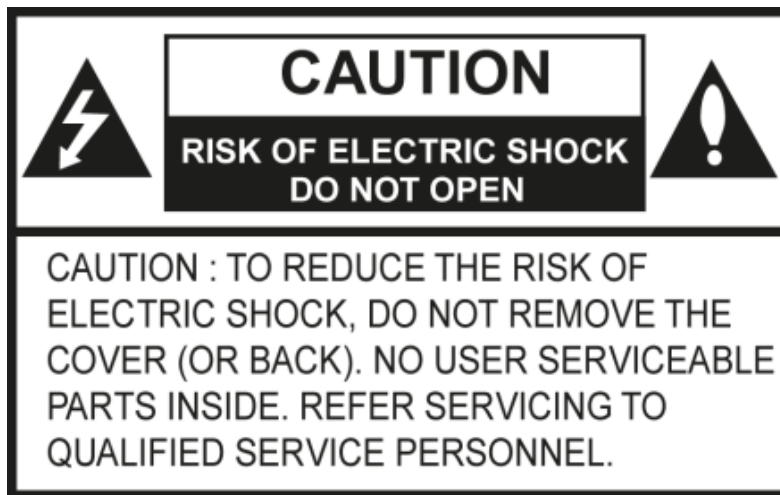
Item	Specification	Unit
Frequency	2402 ~ 2480	MHz
Modulation Type	GFSK, $\pi/4$ DQPSK, 8 DPSK	
BT Power	2 (BT Class 2)	dBm
Data rate	1 ~ 3	Mbps
Channel spacing	1 ~ 2	MHz
BT version	Ver 5.2+EDR	

## Wifi

Item			Specification	Unit	
Standard			IEEE 802.11 a/b/g/n/ac		
Frequency	2.4G		2412 ~ 2472	MHz	
	5G		5170 ~ 5250 5735 ~ 5835	MHz	
Bandwidth			20 / 40 / 80	MHz	
Data rate	2.4G	802.11 b	20M	1, 2, 5.5, 11	Mbps
		802.11 g	20M	6, 9, 12, 18, 24, 36, 48, 54	Mbps
		802.11 n	20M	6.5, 13, 19.5, 26, 39, 52, 58.5, 65	Mbps
	5G	802.11 a	20M	6, 9, 12, 18, 24, 36, 48, 54	Mbps
		802.11 n	20M	6.5, 13, 19.5, 26, 39, 52, 58.5, 65	Mbps
		802.11 n	40M	13.5, 27, 40.5, 54, 81, 108, 121.5, 135	Mbps
		802.11 ac	20M	6.5, 13, 19.5, 26, 39, 52, 58.5, 65, 78	Mbps
		802.11 ac	40M	13.5, 27, 40.5, 54, 81, 108, 121.5, 135, 162, 180	Mbps
		802.11 ac	80M	29.3, 58.5, 87.8, 117, 175.5, 234, 263.3, 292.5, 351, 390	Mbps
Modulation			DSSS, CCK, OFDM(16-QAM, 64-QAM, 256-QAM)		
Mode			AP, Station		

Item		Max. RF Power	Unit
Power Setting	2.4 GHz	9	dBm
	5 GHz	13	

## 2. Precautions



- 1) Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving and always be fully aware of all driving conditions. Do not change settings or any functions. Pull over in a safe and legal manner before attempting such operations. To promote safety, certain functions are disabled unless the parking brake is on.
- 2) To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.
- 3) To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture.
- 4) When driving your vehicle, be sure to keep the volume of the unit low enough to allow you to hear sounds coming from the outside.
- 5) Do not drop it and avoid heavy impacts at anytime.
- 6) The driver should not watch the monitor while driving. If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.

### **FCC Information**

This device complies with part 15 of the FCC Results. Operation is subject to the following two conditions :

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment 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 correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

### **WARNING**

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

### **IMPORTANT NOTE:**

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.