

**Tentative Product Definition of
VOD111 / ADV41 / JMV111/ODM71101
Over-Head LCD Monitor with DVD Player
Rev: 0
Date: 28/09/2007**

Application

In-car over-head roof mount LCD TV for rear seat entertainment

Main Features

TFT LCD Display
DVD Player

Audio/Video Input
AUX Input

Audio/Video Output
Wireless FM Modulator
1 CH. IR. Transmitter (for wireless headphone)

Single remote IR Sensor

- Use - and + key to decrease and increase the level and for select RESET.
- Number will jump from 0 ~ 32 when it increase the level of Brightness, Contrast, Color and jump from 32 ~ 0 when it decrease the level of Brightness, Contrast, Color. 50% level is at 16.
- Number will jump from -16 ~ +16 when it increase the level of Tint and jump from +16 ~ -16 when it decrease the level of Tint. 50% level is at 0.
- When selected RESET all picture setting will go back to 50% level.

11. System (Main) Menu UI and On Screen Display:

Main Page

SCREEN MODE
OSD LANGUAGE
SOURCE DEFAULT DVD

SCREEN MODE
OSD LANGUAGE
SOURCE DEFAULT DVD

SCREEN MODE
OSD LANGUAGE
SOURCE DEFAULT DVD

Sub Page

16 : 9
4 : 3

ENGLISH
SPANISH
FRENCH
GERMAN

ON
OFF

Note: System (Main) Menu Function:

- 11.1 Press MENU key, Main Page will appear on screen.
- 11.2 Use Navigation up/down to select item in the main page and press Navigation Enter key for selection.
- 11.3 Selected item in main page the sub page will appear on screen.
- 11.4 Use Navigation up/down key to select item in the sub page and press Navigation Enter key for selection.
- 11.5 After selected item in the sub page by pressed on the Enter key it will automatic go back to main page for other selection.
- 11.6 Press Menu key to exit System Menu.
- 11.7 Selected item in the System Menu with Last Memory.
- 11.8 System Menu can be control via Remote Control only.

12. Power ON OSD:

FMM OFF DVD

M1

IRT OFF

This OSD show the unit is at:

1. FMM - at FMM OFF mode.
2. IRT - at IRT OFF mode.
3. Source - at DVD mode.
4. Monitor - at M1 mode.
5. OSD will appear on screen 5 seconds before it disappear.

FMM CH2 88.3MHz

AUX

M1

IRT ON

This OSD show the unit is at:

1. FMM - is ON at FMM 88.3MHz mode.
2. IRT - at IRT ON mode.
3. Source - at AUX mode.
4. Monitor - at M1 mode.

OSD will appear on screen 5 seconds before it disappear.

Electrical Features

1. Source: DVD, AUX, AV1.
 - Source On Screen Display: DVD
AUX
AV1
 - Source selected is in sequence rotation: ↶DVD > AUX> AV1↷
 - Source is selectable via Local Control key and Remote Control (individual key).
 - Source selected with Last Position Memory.
 - Option for selectable to default to DVD source (via System Menu).

Note:

- 1.1 If selected default to DVD source every time the unit is power OFF and then power ON again it will be at DVD source.
- 1.2 If selected at Last Memory (Default DVD OFF) every time the unit is power OFF and then power ON again it will be at the source when it is turn OFF.
- 1.3 Unit will set at Last Memory DVD source during production.
- 1.4 Source default at DVD ON or OFF is selectable via inside the System Menu only.

DVD Source:

- Built-in DVD player (slot-in type).
- Disc Played: DVD, DVD +/-R, DVD +/-RW, Audio CD, CD-R, CD-RW, MP3 CD, WMA CD and Picture CD (Kodak/JPEG).
- Disc playback with Last Position Memory.

Note: Disc play is depending on various recording format. Some recording format may not be able to play. DVD splash screen is up-grade able with a Disc.

2. AUX Source:

- Input via 3 RCA Jack.

3. AV1 Source:

- Input via 9 Pin Connector.

4. AV Output: 1.

- Output via 3 RCA Jack Pigtail (1 feet) via the 12 Pin Connector.

5. FM Modulator:

- Type: PLL, 16 channels Wireless.
- Frequency: 88.1MHz, 88.3MHz, 88.5MHz, 88.7MHz, 88.9MHz, 89.1MHz, 89.3MHz, 89.5MHz, 89.7MHz, 89.9MHz, 90.1MHz, 90.3MHz, 90.5MHz, 90.7MHz, 90.9MHz, 91.1MHz.
- With RF Output for FMM Relay Box.
- RF Output via 3.5mm Jack.
- Frequency selects via Local key, OSD:
↳ FMM OFF > FMM CH1 88.1MHz > FMM CH2 88.3MHz > FMM CH3 88.5MHz > FMM CH4 88.7MHz > FMM CH5 88.9MHz > FMM CH6 89.1MHz > FMM CH7 89.3MHz > FMM CH8 89.5MHz > FMM CH9 89.7MHz > FMM CH10 89.9MHz > FMM CH11 90.1MHz > FMM CH12 90.3MHz > FMM CH13 90.5MHz > FMM CH14 90.7MHz > FMM CH15 90.9MHz > FMM CH16 91.1MHz ↵

- Frequency selects via Remote Control Ch. Selected Key, OSD:

↳ FMM CH1 88.1MHz > FMM CH2 88.3MHz > FMM CH3 88.5MHz > FMM CH4 88.7MHz > FMM CH5 88.9MHz > FMM CH6 89.1MHz > FMM CH7 89.3MHz > FMM CH8 89.5MHz > FMM CH9 89.7MHz > FMM CH10 89.9MHz > FMM CH11 90.1MHz > FMM CH12 90.3MHz > FMM CH13 90.5MHz > FMM CH14 90.7MHz > FMM CH15 90.9MHz > FMM CH16 91.1MHz ↵

- Individual FMM ON/OFF key on the Remote Control to select FMM ON and OFF while using the Remote Control to control the FMM. While using local key the FMM OFF is selectable inside the frequency selection.

6. IR. Transmitter:

- Single Channel.
- 2.3MHz / 2.8MHz (For M1 only).
- ON / OFF selectable via Remote Control (individual key).
- Range: 12 feet.
- On Screen Display: IRT OFF
IRT ON

7. Remote IR. Sensor: 1 (front).

8. Remote IR. Code: 2 (M1 and M2. Select code for M1 only).

9. Remote Control: 1 (full function and selectable for M1 code and M2 code).

10. Unit default in M1 code only.

11. Wired Headphone Out: 1 (3.5mm Jack) (OPTIONAL FOR THIS MODEL)

12. Mute Function: For muting all audio system.

- Mute function is selectable via Remote Control (individual key).

13. Dome Light: Yes.

- White LED.
- On / Off / Auto selectable.
- Dome Light is control via 3 ways Slide Switch (Local key).

- DC Power Input 3 Pin Connector Pigtail (1 feet) via the 12 Pin Connector.
- 14. Cooling Fan: 1 (built-in for DVD player). Fan auto turn ON during DVD is over 45 degree Celsius.
- 15. Operation Voltage:
 - Low: DC10.0V
 - Typical: DC 12V
 - High: DC 16V
 - DC Power Input 2 Pin Connector Pigtail (1 feet) via the 12 Pin Connector.
- Note: Operation voltage measurement is based on the 12 Pin Connector point.
- 16. Operation Temperature:
 - Low: 0°C
 - High: +50°C
- 17. Storage Temperature:
 - Low: -20°C
 - High: +70°C
- 18. Light Pipe: Around DVD slot. (OPTIONAL).
 - Light Pipe will be always ON (OPTIONAL).
 - Light Pipe color: Green (for Audiovox model), Ice Blue (for Advent model). (OPTIONAL).
- Note: Light Pipe color is changeable with local switch built-in the Light Pipe PCB. (OPTIONAL).

Local Control Keys/Connectors/Indicators

1. On Unit Front:

	Description	Location	Quantity	Function
1	POWER key	Front	1	To turn ON and turn OFF the unit. With RED LED backlight. Dim when in standby mode. Lit when in power ON mode.
2	PIX key	Front	1	To select Brightness, Contrast, Color and Tint in sequence rotation.
3	- key	Front	1	To decrease the level of PIX level.
4	+ key	Front	1	To increase the level of PIX level.
5	SOURCE key	Front	1	To select DVD, AUX, AV1 source.
6	DOME LIGHT key	Front	1	3 ways slide mechanical switch to select ON, OFF or AUTO.
7	FMM key	Front	1	To select FMM OFF and frequency in sequence rotation.
8	PLAY key	Front	1	To start play playback
9	STOP key	Front	1	To stop playback.
10	EJECT key	Front	1	Ejecting disc.

2. On Unit Rear.

	Description	Location	Quantity	Function
1	3.5mm Jack	Rear	1	Wired Headphone output. (OPTIONAL)
2	RCA Jack	Rear	3	AUX input
3	PAUSE key	Rear	1	To pause and resume playback.

Contents (Action BOM)

	Description	Quantity
1	Over-head TFT LCD Pod with DVD Player	1
2	Remote Control	1
3	2 Pin Power Harness with Choke	1
4	12 Pin Connector Pigtail <ul style="list-style-type: none"> ➤ 2 Pin Connector Pigtail for DC 12V Input ➤ 3 Pin Connector Pigtail for Dome Light DC Power Input. ➤ 3 RCA Jack Pigtail for AV Output 	1
5	9 Pin ~ 3 RCA Jack Pigtail (for AV1 input)	1
6	Wireless FM Modulator Wire Antenna 1 feet	1
7	Wireless IR headphone	OPTIONAL
8	Plastic Trim Ring	1
9	Snap On Cover (Screen Back Cab.) Shale	OPTIONAL
10	Snap On Cover (Screen Back Cab.) Pewter	OPTIONAL
11	Snap On Cover (Shroud) Shale	1
12	Snap On Cover (Shroud) Pewter	1
13	Universal Metal Mounting Bracket	1
14	Screw Kits	All
15	Owner Manual	1
16	Installation Guide	1
17	Printed Materials (Labels)	All
18	Packaging Materials	All

Remote Control Keys

	Description	Function
1	POWER	Turn ON and turn OFF the unit.
2	M1	Switch certain function keys on the remote control for M1 functions
3	M2	Switch certain function keys on the remote control for M2 functions
4	EJECT (▲)	Ejecting disc
5	TV	Switch certain function keys on the remote control for TV functions
6	DVD	Switch certain function keys on the remote control for DVD functions or select DVD/USB/SD/MS source.
7	SOURCE	Changing the source: DVD, AUX/GAME, AV1, AV2/TV
8	NUMBER 0 ~ 9	Selection of CD tracks, DVD chapters and Password setting
9	AUTO MEMORY	Automatic search and stored TV channels
10	SKIP/SEARCH	Using CH. Up/Down keys TV Tuner on all channels are programmed into memory while in SKIP mode
11	ERASE/WRITE	Store and Erase channel from memory
12	--	Decrease the PIX level
13	+	Increase the PIX level
14	FMM ON/OFF	Turn ON and turn OFF the FM Modulator

15	CHANNEL SELECT	Selects the FM Modulator frequency
16	DAY/LIGHT	Selects DAY and NIGHT screen setting (OPTIONAL)
17	PIX	Selects Brightness, Contrast, Color, Tint
18	RETURN	Return to the Menu while PBC ON, only for VCD 2.0
19	DISPLAY	Display DVD disc current information
20	IRT ON/OFF	Turn ON and turn OFF the IR. Transmitter
21	MUTE	Mute the audio of Headphone Jack and FM Modulator
22	▲	Increase channel number and scroll upward in menu option
23	◀	Shift left in menu option
24	OK	Implement selected setting
25	▶	Shift right in menu option
26	▼	Decrease channel number and scroll downward in menu option
27	MENU	Access to the main menu
28	SETUP	Select the DVD player' s options
29	AUDIO	Change and display audio language and channel
30	REPEAT	Repeat chapter, title and track or all of DVD, CD or MP3
31	ZOOM	Zoom the picture/
32	SUBTITLE	Change and display of subtitle language
33	STOP (■)	Stop playback
34	A-B	Repeat playback from point A to point B
35	PREVIOUS (◀◀)	Return to previous chapter or track
36	PAUSE ()	Pause and resume playback
37	NEXT (▶▶)	Go to next chapter and track
38	REV (◀◀)	Search backward 2, 4, 8 and 20 times of the normal speed
39	PLAY (▶)	Start playback
40	FWD (▶▶)	Search forward at 2, 4, 8 and 20 times of the normal speed