Pro.2

ANALOGUE DEMODULATOR

Model no. **ADM5**

OWNERS MANUAL
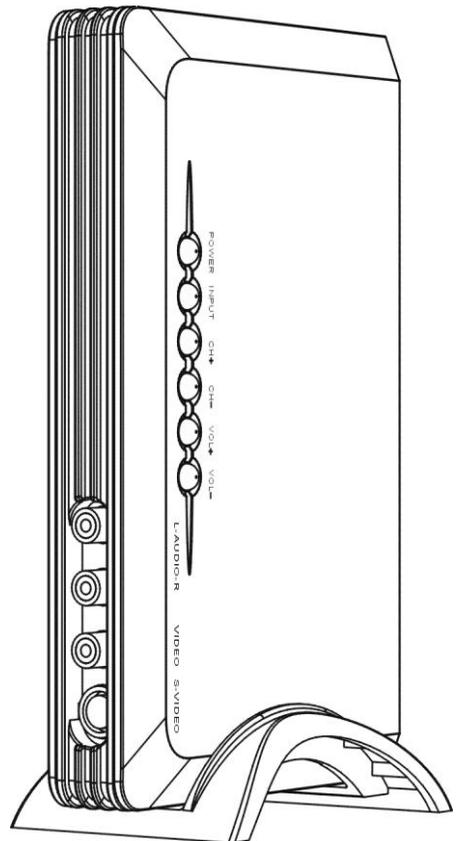
TABLE OF CONTENTS

PACKAGE CONTENT

Before the installation, please check the package of content.
● ANALOGUE DEMODULATOR main unit X 1
● Plastic Stand X 1
● Remote Control X 1
● HD-15 VGA Cable X 1
● 3.5mm Stereo Audio Cable X 1
● AC-DC Adaptor X 1 (Please check the AC Voltage)
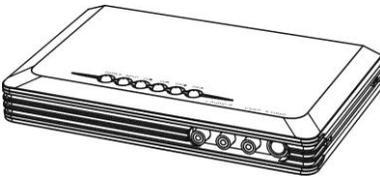
Main Unit   Plastic Stand Remote Control
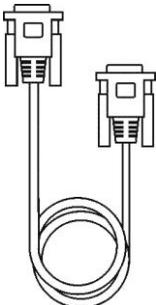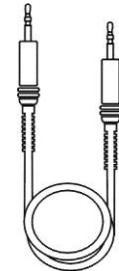
VGA Cable Audio Cable AC/DC Adaptor

1

ABOUT THE ADM5

*For the best performance of this product, we strongly recommend you to read this operation manual thoroughly and keep this manual for future reference

Preface:
The imaging method of the CRT or LCD monitor is quite different from the traditional TV Set. CRT or LCD uses the non-interlace method to form a full screen. But the TV set uses interlacing method. So it is apparently that the LCD or CRT Monitor is better for long time viewing. And CRT or LCD has higher resolution than TV Set. Traditional TV Set has limited resolution (Horizontal Line), CRT or LCD can have more than twice or triple resolutions. The ADM5 is an excellent **analogue demodulator** that can let your CRT or LCD become a second TV set with higher picture quality and stable operation.

Features:
- Plug 'n' Play: no software required
- Stand-alone external TV tuner box for those TV's, HDTV's or video monitor without TV tuners built in.
- Great demodulator for converting coaxial cable TV signals into RCA video and stereo audio outputs for TV, video recorders, A/V receivers, wireless transmitter kit, etc.
- Analogue video to VGA converter. Convert video signals into progressive scan type for high definition video quality.
- 7 different resolutions: 800x600, 1024x768, 1280x1024, 1366x768, 1440x900, 1600x1200, 1920x1080, 1920x1200, 1680x1050, 2048x1152
- Stylish Design - with stand that allows you to place the ADM5 upright or horizontal
- Full-function remote control
- 1 AV and S-Video connectors on the front panel for easy access
- Adjustable TV function: brightness, hue, colour etc. settings
- Auto-Scan function: never miss a channel
- Audio in and out
- VGA In and Out

Application:
- With LCD monitor: your LCD will become a LCD TV
- With a CRT Monitor: you will have an Excellent TV Set
- You can play TV Game on your monitor or LCD
- You can make your monitor become a home entertainment centre
- You can make your monitor become a security monitor

FRONT & REAR PANELS

Front Panels:

Semi-transparent cover

Power

Input

CH+/-

Volume+/-

Audio Input

VIDEO Input

S-VIDEO Input

Rear Panels:

CABLE IN
F (or IEC) connector for
ANTENNA or CATV signal input

SPEAKER
3.5mm Stereo connector for
connecting to Speaker

VIDEO OUT
Video output (only for TV)

AUDIO IN
3.5mm Stereo connector for
connecting to output of PC
Sound Card

VGA IN
HD-15 VGA Female connector
for connection to VGA Output
Port of VGA Card of PC

TO MONITOR
HD-15 VGA Female connector
for connection to CRT or LCD

DC 5V
Power input connector for
AC/DC Adaptor supplied,
**Please note using different
rated power supply will cause
serious injury or fire.**

3

ILLUSTRATION OF BASIC CONNECTION

Front View
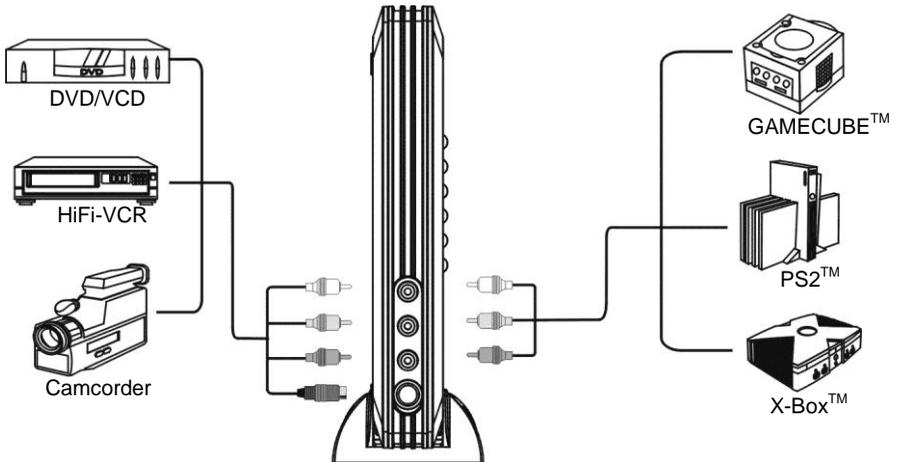
DVD/VCD

HiFi-VCR

Camcorder

GAMECUBE™

PS2™

X-Box™

Back View

Antenna or CATV

Audio Cable

Speaker

VGA Cable

Monitor or LCD

Audio Cable

Sound Card

VGA Cable

VGA Card

Power Adaptor

Back Panel of a PC
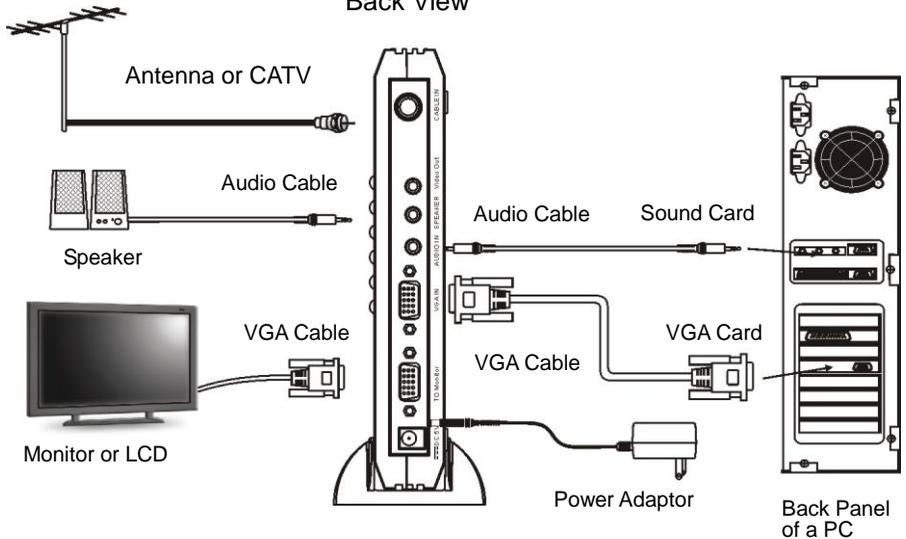
*All brand names and trademarks stated or illustrated are related to their respect owners.

SET UP PROCEDURE

(1.) Connection to LCD or CRT (In This section, after finishing the installation you will have a TV function only)

   a. Take the main unit, let it upright or horizontally placed beside your CRT or LCD

   b. Connect the Antenna or CATV cable to the "CABLE IN" of the back panel of your ADM5

   c. Take the VGA Cable of CRT or LCD, connect the HD-15 VGA connector to "TO MONITOR" on the back panel of the ADM5. Fasten the screws. **Please note: It is very important to fasten the screws. A loose connection will cause picture distortion.**

   d. Take the connector of your Multimedia speaker (please note the connector should be 3.5mm male stereo type), connect to "SPEAKER" on the back panel of ADM5

   e. Take out the AC/DC adaptor (included); please check the Voltage of your outlet of AC Power is the same rating with the adaptor. Hook the AC/DC Adaptor to the Outlet, connect the output of DC to "DC 5V" on the back panel of the ADM5

   f. Turn on the power of your TV, then push the "POWER" button to "TV Mode" and check if there's any picture on your TV. If there is, then congratulations, you have finished the installation.
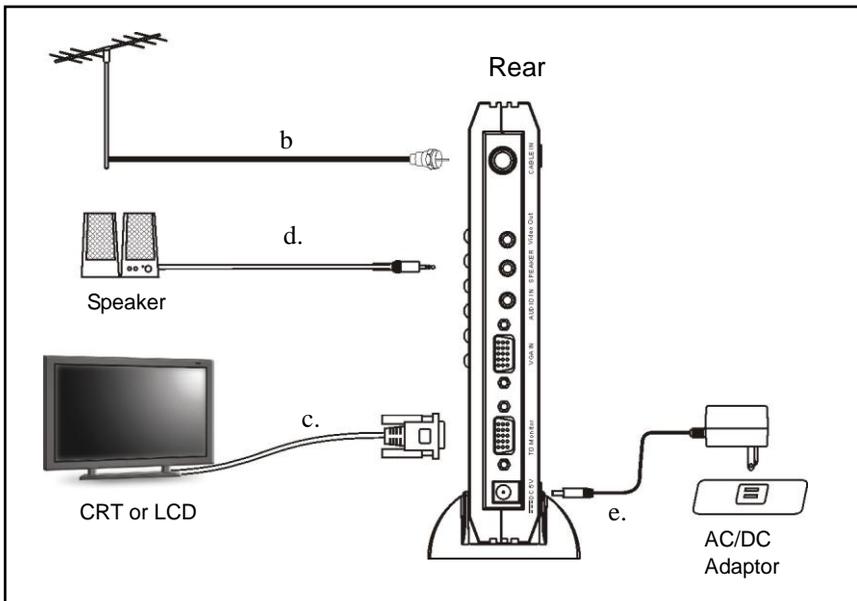
*All brand names and trademarks stated or illustrated are related to their respect owners.

(2) Connection to Computer **(In this section, after finishing all the installation, you will have a TV function and you can also use your PC)**

a. Take the ADM5 main unit, let it upright or horizontal placed beside your CRT or LCD

b. Connect the Antenna or CATV cable to the "CABLE IN" of the back panel of the ADM5

c. Take the VGA Cable of CRT or LCD, connecting the HD-15 VGA connector to "TO MONITOR" on the back panel of the ADM5. And take the VGA cable (supplied) , connect one end to "VGA IN" on the ADM5, another end to VGA Card . Fasten the screws. **Please note it is very important to fasten the screws. Loose connection will cause the distortion of Picture.**

d. Take the connector of your Multimedia speaker (please note the connector should be 3.5mm male stereotype), connect to "SPAEKER" on the back panel of ADM5.

e. Take the supplied 3.5mm Audio cable, connect one end to Speaker out of Sound Card of Computer, another end to "AUDIO IN" of the ADM5

f. Take the AC/DC adaptor, please check the Voltage of your outlet of AC Power is the same rating with the adaptor. Hook the AC/DC Adaptor to the Outlet, connect the output of DC to "DC 5V" on the back panel of the ADM5

g. Turn on the Power of CRT or LCD, then push "POWER" button to "TV Mode", if there are TV screen on your CRT or LCD. Congratulation! You have finished the installation

Rear

Sound Card

VGA Card
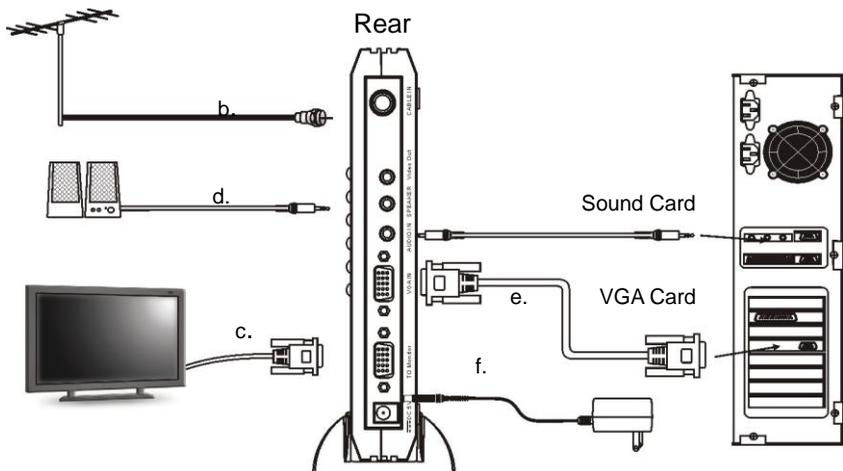
*All brand names and trademarks stated or illustrated are related to their respect owners.

(3) Connection to TV Game Console, V8 or another Video Appliances, Please follow the previous procedure first

(If your Video Source is only RCA Output, please follow the steps)

a. Connect the RCA connector to the output of your TV Game, DVD or VCR

(**Please note the connection cable should be colour coded, yellow for Video, White for Audio R, and Red for Audio L**)

b. Connect the other end of RCA to the "Video/Audio Input" on the front panel of the ADM5 (**Please note the connection cable should be colour coded, yellow for Video, White for Audio L, Red for Audio R**)

c. Turn on the Power of the ADM5 and your Video Appliance
Select the" POWER" mode to "TV mode". Change the Source to "CVBS"

d. Push the "PLAY" key on your Video device, if you see the picture, your installation is completed.

(If Your Video Source has S-Video, please follow the steps below)

a. Connect the S connector and 2 Audio RCA Connectors to the output of your TV Game, DVD or VCR **(please note the Audio connection cable should be colour coded, White for Audio R, Red for Audio L, S-Video Connector has special connector, please find the right orientation, never push too heavily otherwise the S-connector will be broken.**)

b. Connect the S connector to the "S "on the ADM5 and 2 Audio RCA Connectors to "AUDIO" on the front panel of the ADM5 (**please note the Audio connection cable should be colour coded, White for Audio L, Red for Audio R, S-Video Connector has special connector, please find the right orientation, never push too heavily otherwise the S-connector will be broken)**

c. Turn on the Power of the ADM5 and your Video Appliance.

d. Select the" POWER" mode to "TV mode". Change the Source to "S-VIDEO"

e. Push the "PLAY" key on your appliance, If you see the picture your installation is completed.

X-Box™ GC™

Camcorde

DVD VCR

PS2™
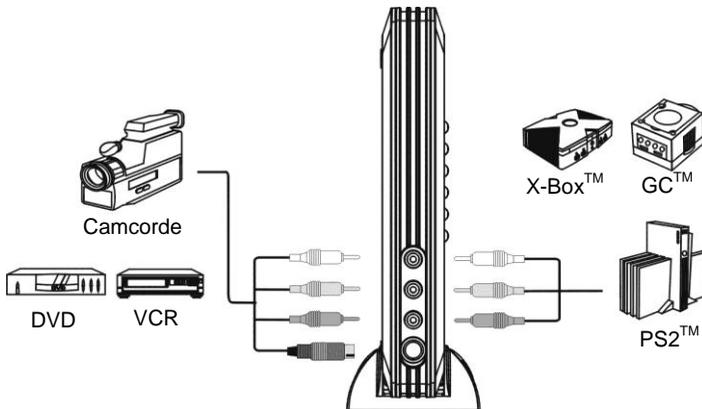
All brand names and trademarks stated or illustrated are related to their respective owners.

REMOTE CONTROLLER DESCRIPTION

Illustration of remote controller

Power: TV/PC mode selection

MUTE:
Mute key for audio muting

Numeric Key: 0~9

PIP: Start the PIP function, please be noticed this key only valid when the ADM5 is in the PC mode

1--: when the channel number up to 100, you need to press this key first

INPUT: selection of the signal sources

RETURN: Last Channel Recall (only valid in TV/CATV mode)

CH+/-: channel up/down (only valid in TV/CATV mode)

VOL+/-: change the volume

MENU: Setting of TV function

RES: Change the resolution of the ADM5

PICTURE: hot key for the setting(TV function)

PREVIEW: 9 channel preview function

8

First time use (Watch TV on your monitor)

There is no channel programmed inside this box, when you finished all the connections and power on the ADM5, at this time, it is under TV mode. Please use "channel scan" to scan all the channels available in your area.

Step 1: press the "MENU" key

Step 2: use arrow key CH+ CH- to select "Search" tab and press VOL+ to setting

Step 3: use arrow key CH+ CH- to select "Fast scan" item。

Step 4: press arrow key VOL+- to activate quick scan, it will scan all the channels

Step 5: when finish, you can watch the TV program now.

If the Fast scan cannot get all the channels, please use "NORMAL SCAN" to acquire all the channels, but it will take a longer time.

Watch DVD on your monitor

Step 1: make the connection as per section - **(3) Connection to TV Game Console, V8 or another Video Appliances**

Step 2: press "input" key on your remote controller to choose Composite Video or S-Video

Step 3: enjoy your program

ADVANCE SOFTWARE APPLICATION

There are many features presented in the ADM5, in general, user seldom to use those functions. In some case, wrong setting will cause annoying viewing experience.

Please be careful for the setting

MENU OPERATION

When you press the "MENU" key on your remote control there will be a POP-UP MENU (with 6 ICON) as Follow (Only valid under TV mode) All the operation are using CH+/CH- keys. VOL+ /VOL- keys are using for selecting sub-item and setting. "MENU" key for going to previous menu or exiting the menu.

1. Picture: Picture adjust

1.Picture		1.Bright	
2.Seach		2.Contrast	
3.Audio		3.Saturation	
4.Setup		4.Hue	
5.Time		5. Colour temp.	Normal /warm /cold
6. Access		6.Picture mode	Normal/user/bright/soft
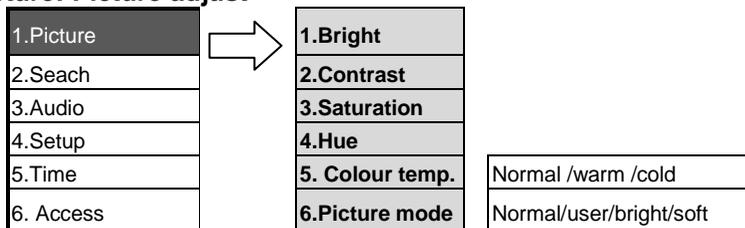
Description of sub item

Bright: change the brightness of the ADM5

Contract: change the contrast of the ADM5

Saturation: change the colour saturation of the ADM5

Hue: change the colour tone of the ADM5
Colour Temperature: change the colour temperature of the ADM5
Picture mode: There are 4 selections, normal/user/bright/soft, to Change the picture mode.

2. Search: Auto scan

1. Picture
2. Search
3. Audio
5. Time
6. Access.

1.Auto Scan		Fast Scan	
		Normal Scan	
2.Manual Scan		Channel	1
		Band	VHFL/VHFH/UHF
		Search	← →
		Fine	>>>
		Skip	ON/OFF
3.Audio Sys		BG/DK/I	
4.CH Exchange1		1	
5.CH Exchange2		1	
6.Confirm Yes		OK	
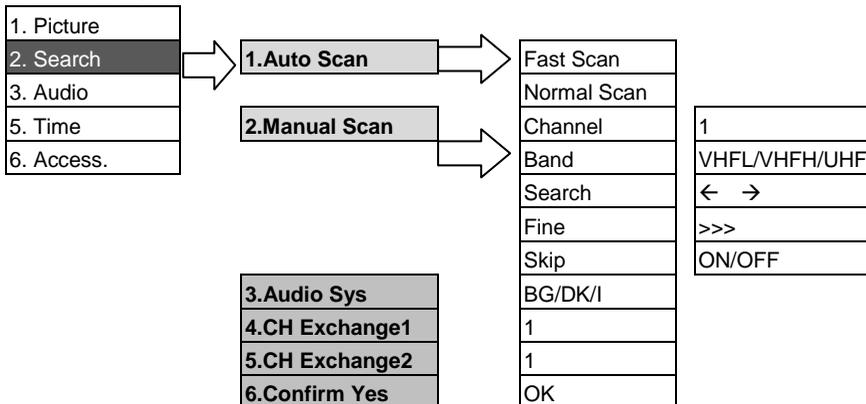
Description of sub item

Auto Scan: There are 2 methods for scanning the TV Channel.

Fast Scan: Scan the TV channel via Channel mapping.

Normal Scan: Scan the TV channel via Frequency step by step. It will take longer time for scanning all the channels

Manual Scan: In order to get more channels, sometimes you need to scan the channel via MANUAL scan method. There are 5 items that you will need to do the scan.

Channel: You can use VOL+/- to choose the desired channel

Band: VHFL/VHFH/UHF 3 bands for your choice

Search: do the search

Fine: fine tune the frequency, add or decrease 0.1MHz /step

Skip: skip the channel

CH Exchange1, CH Exchange2: When you scan the channel, you can set the channel 2 as CH Exchange 1, Channel 7 is CH Exchange 2, then press confirm, than when you press CH2, the content is CH7, press CH2, the content is channel 7.

Audio Sys: Select the audio system that matches your TV system.

Confirm Yes: When press this key, Channel swapping will activate.

3. Audio: Audio Setup

1. Picture
2. Search
3.Audio
4. Setup
5.Time
6.Access
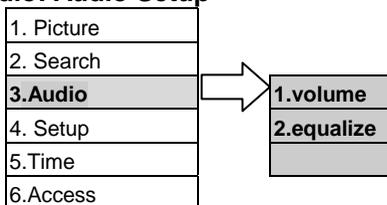
1.volume
2.equalize

Description of sub item

Volume: change the level of audio output

Equalize: change the balance of the audio output of the ADM5

4. Setup: System settings

1. **Picture**	**1.OSD setting**	Language	English
2. Search		Bright	Normal/Bright/Gloom
3. Audio		Mix	Normal/Heavy/Light
4.Setup		Background	Gradual/Normal/Mix
5. Time	**2.Display mode**	Signal source	TV / AV /SV
6. Access.		Colour system	AUTO/PAL
		Monitor type	4:3 / 16:9 / 16:10
		Display ratio	800*600 60/75Hz 1024*768 60/75Hz 1280*1024 60/75Hz 1600*1200 60Hz 1366*768 60Hz 1920x1080 60Hz 2048x1152 60Hz 1440*900 60Hz 1680*1050 60Hz 1920*1200
		POP mode	Centre/Bottom R /Top R/Bottom L/Top L
		Browse mode	4 / 9/ 16 pic.
3.Advance setting		De-noise	off/high/middle/low
		PEAKING	on/off
		BLE	ON/off
		Screen Mode	Normal/4:3/16:9
4.Blue background			
5.Factory mode			

Description of main item

OSD setting: Change parameter setting of the OSD, there are 4 items for selection.

Display mode: Change parameter of the display mode, there are 6 items for setting

Advance setting: Setting of the picture parameter

BLUE Background: Activating screen to be blue when signal loss. There are 2 selections "ON","OFF"

Factory mode: Reset the ADM5 back to Factory settings**.**

Language: Choose the OSD language, English Only

Bright: change the OSD brightness

Mix: mixture of OSD and background

Background: Change the background type of OSD block.

Signal Source: Change the input source of the ADM5 now. There are 3 selections

> TV: CATV or Air TV
> AV: Composite Video
> SV: S- Video

Colour System: Setting of the colour system. The default is AUTO.

NOTE: wrong setting will cause serious distortion on image.

Monitor Type: Change the monitor aspect ratio, there are 3 selections, 4:3/16:9/16:10

Display ratio: Change the resolutions of the VGA output, there are 13 selections,

800*600 60/75Hz	1024*768 60/75Hz
1280*1024 60/75Hz	1600*1200 60Hz
1366*768 60Hz	1920x1080 60Hz
2048x1152 60Hz	1440*900 60Hz
1680*1050 60Hz	1920*1200 60Hz

Please be noticed: You need to make sure the maximum resolution and frequency of you monitor can support. Wrong setting will cause no picture on your screen.

POP-Mode: change the POP sub window position. There are 5 selections, Centre/Bottom R/Top R/Bottom L/Top L

Browse Mode: Selection of the quick view windows number from 4, 9 to 16.

De-noise: There are 4 selections, High, Middle, Low, and Off, you can choose the proper noise reduction level to meet your preferred image. **Please note: if the level set to "HIGH", there will be lagging of video on some action scenes.**

PEAKING: Change the sharpness of image.

BLE: Change the output performance to enhance video on LCD monitor. Selection is ON/OFF

Screen Mode: Change the output monitor type, there are 2 selections, Normal/4:3

5. Time: Time setting

1. **Picture**	**1.Sys off**	00:00	no use/always/once
2. Search	**2.Sys on**	00:00	no use/always/once
3. Audio	**3.Remind**	00:00	no use/always/once
4. Setup	**4. Reserve**	00:00	
5. Time	**5.Time**	00:00	
6. Access.			

These items are used for the automation of shutting down or waking up of your ADM5, you can do the adjustment to meet what you need.

6. Access: Some useful software functions

1. **Picture**	
2. Search	
3. Audio	
4.Setup	
5. Time	**calendar**
6. Access.	**Software ID**

SPECIFICATION

Item	Specification
CATV/TV Input	75 Ohm F female or IEC female
Frequency range	48~862MHz
Video Input	Video, S-Video
Audio Input (Signal Source)	Stereo RCA Left, Right
Audio Input (PC)	3.5mm Stereo
VGA In	HD-15 Female
Power- AC/DC adaptor	5 VDC 1A UL-listed for USA, CE certified for Europe
VGA Output	HD-15 Female
resolution	800*600 60/75Hz 1024*768 60/75Hz 1280*1024 60/75Hz 1366*768 60Hz 1440*900 60Hz 1600*1200 60Hz 1680*1050 60Hz 1920x1080 60Hz 1920*1200 60Hz 2048x1152 60Hz
Audio Output	3.5 mm Stereo
Video Output	RCA jacket
Regulatory specification: Complies with requirements of:	FCC 15.225 FCC Part 15-Class B ICES-003 CE, RoHS

*Specification subject to change without further notice

TROUBLE SHOOTING

1. No picture
   a. The connection could be not correct, please contrast the connection with illustration.
   b. Check the power plug whether it is firmly connected and the supplied voltage meets the adapter rating.
   c. Make sure that the selected mode is the same as input signal, and then perform AUTO SCAN again.
   (For example: under "AIR TV" mode, the F connector has to be connected with UHF/ VHF antenna. Under "CATV" mode, the F connector has to be connected to CATV system.)

2. No sound
   The connection could be not correct, please contrast the connection with illustration.

3. The ADM5 has no response while using remote controller
   a. Make sure that you are pointing to the IR sensor window of the ADM5 within 6 meters and +/- 15 degrees.
   b. Please check the batteries and replace with new ones if necessary.

****

The standard of VGA signal output from this unit is identical to general PC VGA display card, so the use of this unit will not violate the warranty of LCD or CRT monitor.
****

USER INFORMATION

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 instruction may cause harmful interference to radio communication,. 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:
--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

www.pro2.com.au