

## DOT-X 29MV SPECIFICATION

CRT Size/Type	27V Pure flat square screens with 108 degree magnetic deflection, dynamic focus forming and 53.5% transmission.	
Dot Pitch (mm)	0.68mm	
Maximum Resolution	XGA: 1024 x 768 (N/I)	
Horizontal Frequency	30 kHz auto sync	
Vertical Frequency	50 - 120 Hz	
Bandwidth	65 MHz	
Video Input Signal	Analog (0.7 Vp-p)	
VGA Input/Output	15 pin D-Sub	
RS-232 Input/Output	9 pin D-Sub (Female/Male)	
Sync Input	Seperate Sync, TTL Level Positive/Negative Composite Sync TTL Level Positive/Negative	
Compatability	VGA, SVGA, XGA, VESA DTV: 480p, 720p, 1080i	
Keys	DEGAUSS (TV/PC/AV), MENU, SEL/CH+, SEL/CH- VOL+, VOL-, TV/CATV	
Functions	Picture	Contrast, Brightness, H/V Size, H/V Position, Pincushion, Trapezoid, Top-Corner, Bottom-Corner, Pin Balance, Parallelogram, Rotation, Recall
	Color	Color (9300K/6500K/5500K/USER)
	Special	ID-Number, Instant ON, Degauss, Auto Saving, Auto Degauss, Auto Shift, OSD Background, OSD Contrast, OSD H/V Position, Moire, Key Lock, Password Change
Connectors	AC IN, VGA IN, VGA OUT, Audio IN (R/L), RS232 IN, RS232 OUT	
Power	AC 100V-240V Universal: 210 W (Max)	
Power Factor	Up to 0.9	
Display Area (mm)	520 x 390 (Factory Preset)	
Dinmension (mm)	615 (W) x 487 (H) x 500 (D)	
Net Weight (kg)	50 Kg	
Operating Enviroment	T: 5 to 35 degree C H: 30 to 80% RH	
Storage Enviroment	T: -20 to +60 degree C H: 10 to 90% RH	

# DOT-X 29MV

Airline	Flight	Destination	Time	Gate	Status
AIR CANADA	429	Toronto	10:55	22	On Time
AMERICAN AIRLINES	6886	Phoenix	10:35	35	On Time
American Airlines	2549	Chicago	9:55	28	BOARDING
American Airlines	6378	New York	10:55	56	On Time
Continental	356	Denver	10:20	43	On Time
Continental	354	St. Louis	11:30	4	CANCELLED
Delta Air Lines	3258	Dallas	9:55	9	BOARDING
Delta Air Lines	5213	Salt Lake	10:45	23	On Time
Delta Air Lines	5486	Orlando	10:15	41	On Time
NORTHWEST	325	Detroit	10:35	33	On Time
NORTHWEST	454	Los Angeles	10:00	25	On Time
SOUTHWEST AIRLINES	2165	San Diego	9:55	19	BOARDING
UNITED AIRLINES	2564	Newark	10:05	15	On Time
UNITED AIRLINES	9556	Las Vegas	11:10	52	On Time

9:48:56

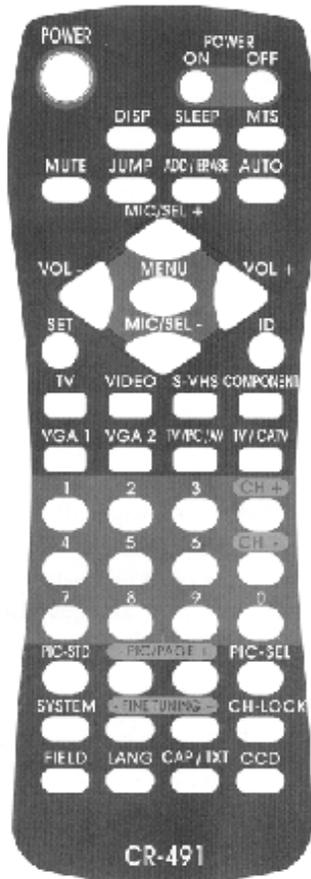
## User Manual

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## USING THE REMOTE CONTROL

Using remote control instead of the control panel is convenient to operate the monitor. Some of the keys must to work by connect with MATE, and these are DISP, SLEEP, MTS, JUMP, ADD / ERASE, AUTO, TV, VIDEO, S-VHS, COMPONENT, TV / PC / AV, TV / CATA, PIC-STD, PIC / PAGE, PIC-SEL, SYSTEM, FINE TUNING, CH-LOCK, FIELD, LANG, CAP / TXT, CCD.



### a. ID Number

Through DM RS232 VO.9 (**Serial Transmission Communication interface**) to remote control the device. To identify the monitor, you must to set an ID number (ID= 1-99) to each of the monitor under DM RS232 VO.9 Control page.

1. Select the ID number (1 -99) by   tab.
2. After you set the **ID**, choose high/light to identify the monitor with has been set with a valid number. The monitor will correspond with the current status, and this could control the OSD function directly.

### b. Instant-On

Enable / Disable the INSTANT-ON. Set the **INSTANT-ON YES**, the Monitor will start up immediately while the Power switch on and the green LED is lit on. The monitor will stay in the saving mode till the power is turned-on again while the INSTANT-ON is switch off, and the red LED is lit on.

### c. Auto Saving

The power will shut down automatically and be in the power- saving status while the Auto Saving switch is on.

### e. Degauss

Enable / Disable the AUTO DEGAUSS. The AUTO DEGAUSS will be executed automatically by every 24 hours since switch on the function.

### f. Auto Shift

Active AUTO SHIFT to protect the screen from result in the image-remain. The picture will be auto-shift once every 6 hours.

### g. Moire

For some modes, it is better to switch the moire off to get better video performance, and this option is provided when Moire is ON, adjust MOIRE pops out, and adjust moire by using + / - key. In TV / AV mode, moire can't be adjusted.

### h. Key Lock

Enable / Disable the front panel function operation.

### i. Password

To release the disable front panel function operation by set the password.

### j. OSD Background

Switch the OSD background ON or OFF to adapt to different software background of the PC.

## ***Following lists the function keys on the OSD:***

### ***Note:***

1. Press the Menu button on the control panel or the remote control to display the main menu.
2. Press the SEL +/- buttons on the control panel or remote control to scroll through the menu.
3. Press the VOL +/- buttons on the control panel or the remote control to adjust the setting values.
4. Press Sub-menu to return to upper level while in any sub-menu. To exit the mode, press the menu button while in the top-level menu.

## **MAIN MENU**

### **Picture Menu**

***Fine tunes the Picture image quality manually:***  
CONTRAST - BRIGHTNESS - H/V SIZE - H/V  
POSITION - PINCUSHION - TRAPEZOID - TOP-  
CORNER - BOTTOM-CORNER - PIN-BALANCE -  
PARALLELOGRAM - ROTATION and RECALL.

### ***Note:***

- a. Recall will replace current settings by the factory-preset values. You can only recall factory settings when the PC mode is in one of the 14 predefined modes. See Table for preset modes. Color recall is used to call back the factory setting of R.G.B.
- b. Above parameters is for PC mode only, and can't be reached in TV / AV mode. In TV /AV mode, you can adjust the TV parameters by remote control.

### **Color Menu**

Select the color temperature to make colors more pure and vivid. Select user item to adjust the color intensity by VOL + / -key.

### **Special Menu**

***Fine tunes and sets the special functions manually:***  
ID-NUMBER ( 1-99 ) - INSTANT-ON - DEGAUSS -  
AUTO-SAVING - AUTO DEGAUSS - AUTO SHIFT -  
OSD BACKGROUND - OSD CONTRAST - AND OSD  
H / V-POSITION - MOIRE, KEY LOCK - PASSWORD.

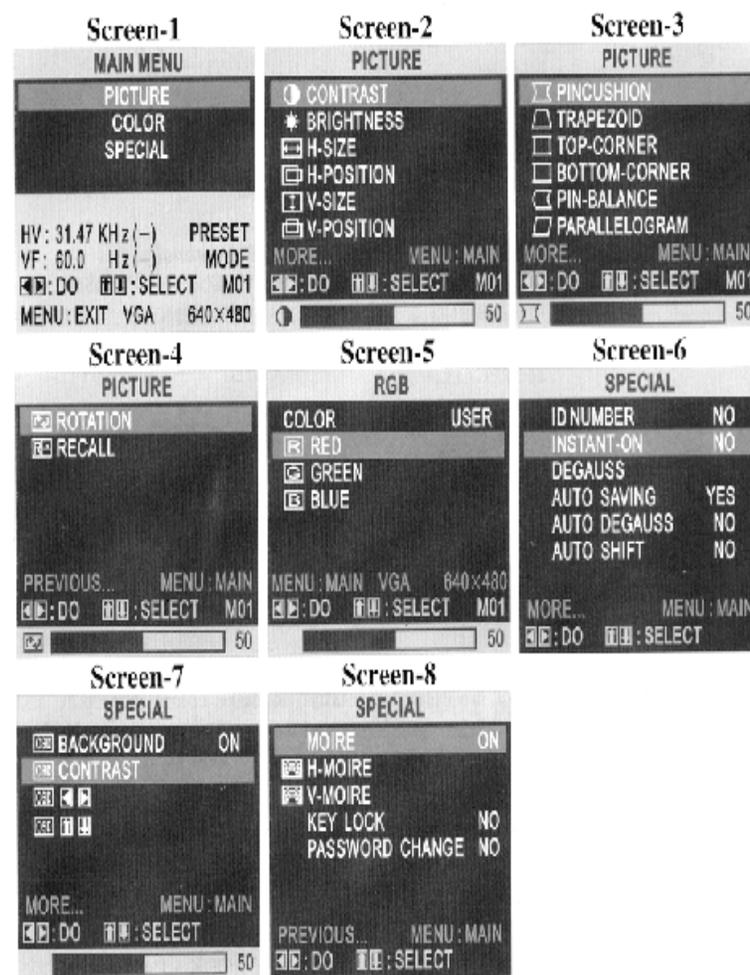
## ***Following lists the function keys on the remote control:***

<b>POWER</b>	Starts or stops the monitor function.
<b>POWER ON/OFF</b>	To Start or stop the multiple monitors function in the mean while. In general, this function is used well with multiple monitors control.
<b>DISP</b>	Display the current mode on the present status.
<b>SLEEP</b>	To set the sleep timer, each press will increase the sleep timer in 10-minute intervals up to 120 minutes (then back to 00). When the sleep count reaches the last 5 minutes, the screen will show up every minute for 3 seconds. During the last minute, and it will display every 10 seconds.
<b>MTS</b>	Multi-Sound selection.
<b>MUTE</b>	Cuts audio and turns audio back on. (not available)
<b>JUMP</b>	Returns to the previous channel.
<b>ADD / ERASE</b>	Allows the user to Add / Erase channels manually.
<b>AUTO</b>	Automatically scan all the channels by signal responds, and to set them on the preset mode.
<b>MENU</b>	Enable/Disables the On-Screen Display Menu.
<b>MIC SEL+ MIC SEL-</b>	<b><i>This is a dual function key:</i></b> a. Press SEL + / - to serve as menu item selection. b. MIC for R mode.
<b>VOL+</b>	<b><i>This is a dual function key:</i></b> a. Press VOL+ / - to control volume in any mode. (optional) b. Press VOL+ to control the selection function while in menu mode.
<b>Note-</b> Volume control function will effect while connect with <b><i>Vision Converter.</i></b>	
<b>SET</b>	Through DM RS232 VO.9 (Serial Transmission Communication interface) to remote control the device. To identify the monitor, you must to set an ID number (ID= 1-99) to each of the monitor under DM RS232 VO.9 Control page.
<b>ID</b>	To set the ID number to control the monitor from the other.

<b>TV</b>	Select TV source.
<b>VIDEO</b>	Select VIDEO source.
<b>S-VHS</b>	Select S-VHS source.
<b>Component</b>	Select a Compound signal source: Y,Pb,Pr -For High definition component inputs.(CT-1890/CT-1820). Y,Cb,Cr-For Conventional component inputs.(CT-1890 / CT-1892 / CT-1820).
<b>VGA 1</b>	Select VGA I source.
<b>VGA 2</b>	Select VGA 2 source.
<b>TV PC / AV</b>	Select TV / PC / VIDEO / S-Vidso / COMPONENT switch source.
<b>TV CATV</b>	Select TV / CATV source.
<b>CH+ / CH-</b>	Steps through the channels.
<b>PIC-STD</b>	Factory preset.
<b>PIC / PAGE</b> <input type="checkbox"/> <input type="checkbox"/>	Control and select items PIC-SEL button.
<b>PIC-SEL</b>	User video adjustment screens.
<b>SYSTEM</b>	Changes the video system on TV, Video, and S-VHS. System types are PAL, PAL-M, PAN-N, and SECAM.
<b>FINE TUNING</b>	Allows for fine-tuning of channels.
<b>CH-LOCK</b>	For Parental Control.
<b>FIELD</b>	A FIELD I or FIELD 2 toggle. (Useable only when CCD is on).
<b>LANG</b>	Language Selection (1 or 2).
<b>CAP / TXT</b>	Accessible only when CCD is on.
<b>CCD</b>	Caption control.

## ACCESSING THE MAIN MENU

Access the OSD menu by control panel on the monitor or the remote control to make the operation.



**OSD Function Chart**