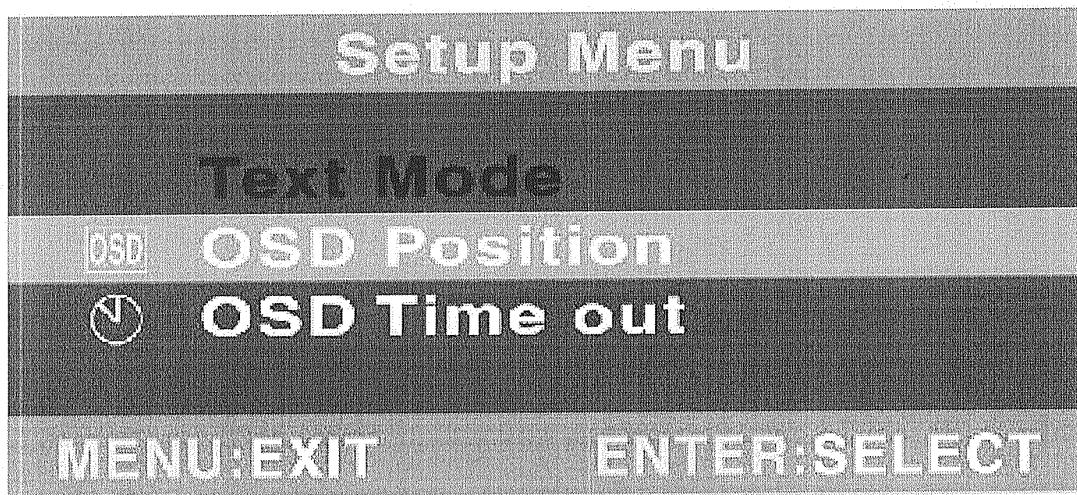
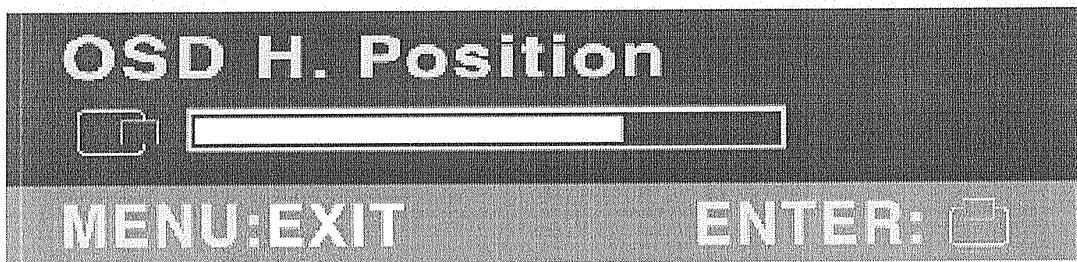


## Using the OSD Functions

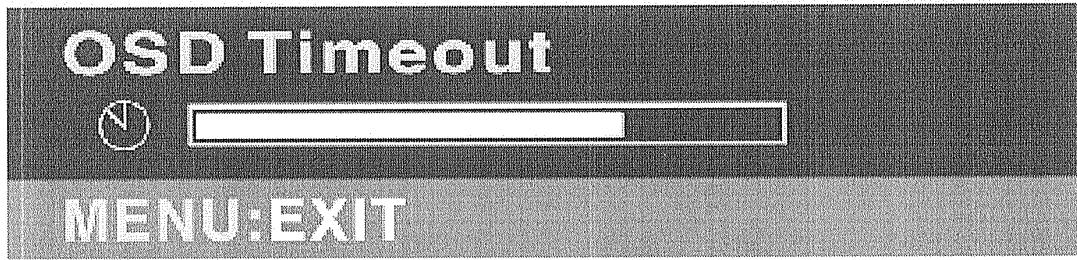


**Setup Menu:** To setting text mode, OSD position, OSD timeout.

**Text Mode:** To switch DOS Text and graphic mode for 640x400 and 720x400.



**OSD Position:** To adjust OSD H/V position.



**OSD Timeout:** Setting OSD display time.

## Timing Modes

VESA	640 x 400 @ 70HZ
VESA	640 x 480 @ 60HZ
VESA	640 x 480 @ 67HZ
VESA	640 x 480 @ 75HZ
VESA	800 x 600 @ 56HZ
VESA	800 x 600 @ 60HZ
VESA	800 x 600 @ 72HZ
VESA	800 x 600 @ 75HZ
MAC	832 x 624 @ 75HZ
VESA	1024 x 768 @ 60HZ
VESA	1024 x 768 @ 70HZ
VESA	1024 x 768 @ 75 Hz

## TV Frequency Table

### U.S.A Channel

VIF 45.75 MHz, SIF 41.25 MHz

Ch.	Freq.range	fp (picture)	fs (sound)	fosc	Ch.	Freq.range	fp (picture)	fs (sound)	fosc
2	54 - 60	55.25	59.75	101.00	43	644 - 650	645.25	649.75	691.00
3	60 - 66	61.25	63.75	107.00	44	650 - 656	651.25	653.75	697.00
4	66 - 72	67.25	71.75	113.00	45	656 - 662	657.25	661.75	703.00
5	76 - 82	77.25	81.75	123.00	46	662 - 668	663.25	667.75	709.00
6	82 - 88	83.25	87.75	129.00	47	668 - 674	669.25	673.75	715.00
7	174 - 180	175.25	179.75	221.00	48	674 - 680	675.25	679.75	721.00
8	180 - 186	181.25	185.75	227.00	49	680 - 686	681.25	685.75	727.00
9	186 - 192	187.25	191.75	233.00	50	686 - 692	687.25	691.75	733.00
10	192 - 198	193.25	197.75	239.00	51	692 - 698	693.25	697.75	739.00
11	198 - 204	199.25	203.75	245.00	52	698 - 704	699.25	703.75	745.00
12	204 - 210	205.25	209.75	251.00	53	704 - 710	705.25	709.75	751.00
13	210 - 216	211.25	215.75	257.00	54	710 - 716	711.25	715.75	757.00
14	470 - 476	471.25	475.75	517.00	55	716 - 722	717.25	721.75	763.00
15	476 - 482	477.25	481.75	523.00	56	722 - 728	723.25	727.75	769.00
16	482 - 488	483.25	487.75	529.00	57	728 - 734	729.25	733.75	775.00
17	488 - 494	489.25	493.75	535.00	58	734 - 740	735.25	739.75	781.00
18	494 - 500	495.25	499.75	541.00	59	740 - 746	741.25	745.75	787.00
19	500 - 506	501.25	505.75	547.00	60	746 - 752	747.25	751.75	793.00
20	506 - 512	507.25	511.75	553.00	61	752 - 758	753.25	757.75	799.00
21	512 - 518	513.25	517.75	559.00	62	758 - 764	759.25	763.75	805.00
22	518 - 524	519.25	523.75	565.00	63	764 - 770	765.25	769.75	811.00
23	524 - 530	525.25	529.75	571.00	64	770 - 776	771.25	775.75	817.00
24	530 - 536	531.25	535.75	577.00	65	776 - 782	777.25	781.75	823.00
25	536 - 542	537.25	541.75	583.00	66	782 - 788	783.25	787.75	829.00
26	542 - 548	543.25	547.75	589.00	67	788 - 794	789.25	793.75	835.00
27	548 - 554	549.25	553.75	595.00	68	794 - 800	795.25	799.75	841.00
28	554 - 560	555.25	559.75	601.00	69	800 - 806	801.25	805.75	847.00
29	560 - 566	561.25	565.75	607.00					
30	566 - 572	567.25	571.75	613.00					
31	572 - 578	573.25	577.75	619.00					
32	578 - 584	579.25	583.75	625.00					
33	584 - 590	585.25	589.75	631.00					
34	590 - 596	591.25	595.75	637.00					
35	596 - 602	597.25	601.75	643.00					
36	602 - 608	603.25	607.75	649.00					
37	608 - 614	609.25	613.75	655.00					
38	614 - 620	615.25	619.75	661.00					
39	620 - 626	621.25	625.75	667.00					
40	626 - 632	627.25	631.75	673.00					
41	632 - 638	633.25	637.75	679.00					
42	638 - 644	639.25	643.75	685.00					

## TV Frequency Table

Ch.		Freq. range	fp (picture)	fs (sound)	Rise	Ch.		Freq. range	fp (picture)	fs (sound)	base
2	2	54 - 60	55.25	59.75	101.00	JJ	46	354 - 360	355.25	359.75	401.00
3	3	60 - 66	61.25	65.75	102.00	KK	47	360 - 366	361.25	365.75	407.00
4	4	66 - 72	67.25	71.75	113.00	LL	48	366 - 372	367.25	371.75	413.00
5A	1	72 - 78	73.25	77.75	119.00	MM	49	372 - 378	373.25	377.75	419.00
5	5	78 - 82	77.25	81.75	123.00	NN	50	378 - 384	379.25	383.75	425.00
6	6	82 - 88	83.25	87.75	129.00	OO	51	384 - 390	385.25	389.75	431.00
A-5	95	90 - 96	91.25	95.75	137.00	PP	52	390 - 396	391.25	395.75	437.00
A-4	96	96 - 102	97.25	101.75	143.00	QQ	53	396 - 402	397.25	401.75	443.00
A-3	97	102 - 108	103.25	107.75	149.00	RR	54	402 - 408	403.25	407.75	449.00
A-2	98	108 - 114	109.25	113.75	155.00	SS	55	408 - 414	409.25	413.75	455.00
A-1	99	114 - 120	115.25	119.75	161.00	TT	56	414 - 420	415.25	419.75	461.00
A	14	120 - 126	121.25	125.75	167.00	UU	57	420 - 426	421.25	425.75	467.00
B	15	126 - 132	127.25	131.75	173.00	VV	58	426 - 432	427.25	431.75	473.00
C	16	132 - 138	133.25	137.75	179.00	WW	59	432 - 438	433.25	437.75	479.00
D	17	138 - 144	139.25	143.75	185.00	AAA	60	438 - 444	439.25	443.75	485.00
E	18	144 - 150	145.25	149.75	191.00	BBB	61	444 - 450	445.25	449.75	491.00
F	19	150 - 156	151.25	155.75	197.00	CCC	62	450 - 456	451.25	455.75	497.00
G	20	156 - 162	157.25	161.75	203.00	DDD	63	456 - 462	457.25	461.75	503.00
H	21	162 - 168	163.25	167.75	209.00	EEE	64	462 - 468	463.25	467.75	509.00
I	22	168 - 174	169.25	173.75	215.00		65	468 - 474	469.25	473.75	515.00
J	7	174 - 180	175.25	179.75	221.00		66	474 - 480	475.25	479.75	521.00
8	8	180 - 186	181.25	185.75	227.00		67	480 - 486	481.25	485.75	527.00
9	9	186 - 192	187.25	191.75	233.00		68	486 - 492	487.25	491.75	533.00
10	10	192 - 198	193.25	197.75	239.00		69	492 - 498	493.25	497.75	539.00
11	11	198 - 204	199.25	203.75	245.00		70	498 - 504	499.25	503.75	545.00
12	12	204 - 210	205.25	209.75	251.00		71	504 - 510	505.25	509.75	551.00
13	13	210 - 216	211.25	215.75	257.00		72	510 - 516	511.25	515.75	557.00
J	23	216 - 222	217.25	221.75	263.00		73	516 - 522	517.25	521.75	563.00
K	24	222 - 228	223.25	227.75	269.00		74	522 - 528	523.25	527.25	569.00
L	25	228 - 234	229.25	233.75	275.00		75	528 - 534	529.25	533.75	575.00
M	26	234 - 240	235.25	239.75	281.00		76	534 - 540	535.25	539.75	581.00
N	27	240 - 246	241.25	245.75	287.00		77	540 - 546	541.25	545.75	587.00
O	28	246 - 252	247.25	251.75	293.00		78	546 - 552	547.25	551.75	593.00
P	29	252 - 258	253.25	257.75	299.00		79	552 - 558	553.25	557.75	599.00
Q	30	258 - 264	259.25	263.75	305.00		80	558 - 564	559.25	563.75	605.00
R	31	264 - 270	265.25	269.75	311.00		81	564 - 570	565.25	569.75	611.00
S	32	270 - 276	271.25	275.75	317.00		82	570 - 576	571.25	575.75	617.00
T	33	276 - 282	277.25	281.75	323.00		83	576 - 582	577.25	581.75	623.00
U	34	282 - 288	283.25	287.75	329.00		84	582 - 588	583.25	587.75	629.00
V	35	288 - 294	289.25	293.75	335.00		85	588 - 594	589.25	593.75	635.00
W	36	294 - 300	295.25	299.75	341.00		86	594 - 600	595.25	599.75	641.00
AA	37	300 - 306	301.25	305.75	347.00		87	600 - 606	601.25	605.75	647.00
BB	38	306 - 312	307.25	311.75	353.00		88	606 - 612	607.25	611.75	653.00
CC	39	312 - 318	313.25	317.75	359.00		89	612 - 618	613.25	617.75	659.00
DD	40	318 - 324	319.25	323.75	365.00		90	618 - 624	619.25	623.75	665.00
EE	41	324 - 330	325.25	329.75	371.00		91	624 - 630	625.25	629.75	671.00
FF	42	330 - 336	331.25	335.75	377.00		92	630 - 636	631.25	635.75	677.00
GG	43	336 - 342	337.25	341.75	383.00		93	636 - 642	637.25	641.75	683.00
HH	44	342 - 348	343.25	347.75	389.00		94	642 - 648	643.25	647.75	689.00
II	45	348 - 354	349.25	353.75	395.00						

## Technical Information

### Technical Specification

<b>LCD Panel</b>	15.0" TFT
<b>Power Management</b>	Energy Star compliant VESA DPMS compatible < 8 W ( Monitor mode only )
<b>Displayable Resolution</b>	XVGA 1024 x 768 max. Vertical Frequency 75Hz max.
<b>Pixel Dimension</b>	0.297 x 0.297 mm
<b>LCD Display Color</b>	16.7M(8 bits/color)
<b>Viewing Angle</b>	15.0" (typical) CR $\geq$ 10
	Horizontal -60° + 60° (typical)
	Vertical -60° + 45° (typical)
<b>Tilt</b>	+20° , -5°
<b>Contrast Ratio</b>	500 : 1 (typical)
<b>Brightness</b>	350 cd /m <sup>2</sup> (typical)
<b>Response Time</b>	Tr=13 ms (typical) Tf=27 ms (typical)
<b>Active Display Area</b>	304.1 mm x 228.1 mm
<b>Temperature</b>	Operating: 0° C ~ +40° C Storage: -20° C ~ +60° C
<b>Compliance</b>	UL, FCC-B, Energy Star, VCCI
<b>Power</b>	Voltage 100-240 V Consumption 40 Watts (max)
<b>Speaker</b>	3W x 2

## Safety Precautions

This monitor is manufactured and tested on a ground principle that a user's safety comes first. However, improper use or installation may result danger to the monitor as well as to the user. Carefully go over the following **WARNINGS** before installation and keep this guide handy.

### **WARNINGS:**

- ◆ This monitor should be operated only at the correct power sources indicated on the label on the rear end of the monitor. If you're unsure of the power supply in your residence, consult your local dealer or power company.
- ◆ Do not try to repair the monitor yourself as it contains no user-serviceable parts. The monitor should only be repaired by a qualified technician.
- ◆ Do not remove the monitor cabinet. There is high-voltage parts inside that may cause electric shock to human bodies, even when the power cord is disconnected.
- ◆ Stop using the monitor if the cabinet is damaged. Have it checked by a service technician.
- ◆ Put your monitor only in a clean, dry environment. Unplug the monitor immediately if gets wet and consult your service technician.
- ◆ Always unplug the monitor before cleaning it. Clean the cabinet with a clean, dry cloth. Apply non-ammonia based cleaner onto the cloth, not directly onto the glass screen.
- ◆ Keep the monitor away from magnetic objects, motors, TV sets, and transformer.
- ◆ Do not place heavy objects on the cable or power cord.
- ◆ For PLUGGABLE EQUIPMENT, the Socket-outlet shall be installed near the equipment and shall be easily accessible.

## Care and Maintenance

### Care

- Avoid exposing your monitor directly to sunlight or other heat source.
- Place your monitor away from the sun to reduce glare.  
Put your monitor in a well ventilated area. Do not place anything heavy on top of your monitor.
- Make certain your monitor is installed in a clean and moisture-free area.
- Keep your monitor away from magnets, motors, transformers, speakers, and TV sets.

### Safety Tips

- If smoke, abnormal noise or odor came out of your monitor, switch off the power immediately and call your service center.
- Never remove the rear cover of your monitor cabinet. The display unit inside contains high-voltage parts and may cause electric shock to human bodies.
- Never try to repair your monitor yourself. Always call your service center or a qualified technician to fix it.