

# Operation Instructions

Thank you for purchasing this monitor, a high-resolution multi-scan color LCD-TV-monitor.

Please read this guide thoroughly before installation.

## **FCC RADIO FREQUENCY INTERFERENCE STATEMENT WARNING: (FOR FCC CERTIFIED MODELS)**

This monitor has been tested and found compliant with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide proper protection against harmful interference to a residential installation. This monitor generates, uses, and can radiate radio frequency energy. Harmful interference to radio communication may be led as a result if it's not properly installed and used. However, there is no guarantee that interference will not occur in a particular installation. If this monitor does cause serious interference to radio or television reception, resetting the monitor may determine it. Moreover, users are encouraged to correct interference by doing one or more of the following:

- Reorient or relocate the receiving antenna.
- Move the monitor and the receiver further away from each other.
- Connect the monitor into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local dealer or an qualified technician.

### **FCC Warning:**

To assure a continued FCC compliance, a user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to this monitor would void the user's authority to operate this device.

**Note:** If necessary, shielded interface cables and AC power cord must be used to meet the emission level limits.

### **EMI Certification:**

The Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulation.

Cet appareil numerique de class B respecte toutes les exigences du Reglement sur le materiel brouilleur du Canada.

# Content

|                                  |    |
|----------------------------------|----|
| Fisrt Setup .....                | 3  |
| Front Panel Control .....        | 4  |
| Installation .....               | 5  |
| Remote Control .....             | 6  |
| Using the OSD functions .....    | 7  |
| -TV mode .....                   | 7  |
| -Video (Include-YPbPr, AV) ..... | 12 |
| -PC mode .....                   | 14 |
| Timing modes .....               | 20 |
| TV-Frequency table .....         | 21 |
| Technical Information .....      | 23 |
| Safety Precaution .....          | 24 |
| Care and Maintenance .....       | 25 |

# First Step

Thank you for purchasing this monitor of high performance!  
This monitor package comes with:

- ◆ Power Cable
- ◆ User Guidebook or CD-ROM (You're reading now)
- ◆ Remote control 29 key
- ◆ Audio Cable for PC type 1.5m.
- ◆ VGA Cable

## Quick Installation

### 1. Connect TV ANTANA or CATV Cable or Connect video cable

Make sure both the monitor and computer are powered OFF.  
Connect to TV antenna jack or CATV box by 75-ohm coaxial cable. Connect the VGA cable to the computer, then to the monitor.

### 2. Connect Power Cord

Connect the power cord to a properly grounded AC outlet, then to the monitor.

### 3. Power-ON computer and monitor

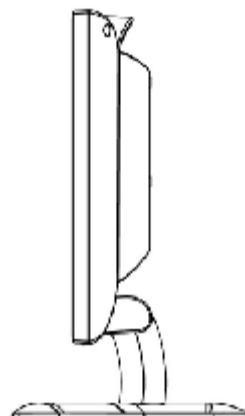
Power-ON the computer, then Power-ON the monitor.

### 4. Setting input source for LCD-TV-monitor from source of remote, or OSD menu.

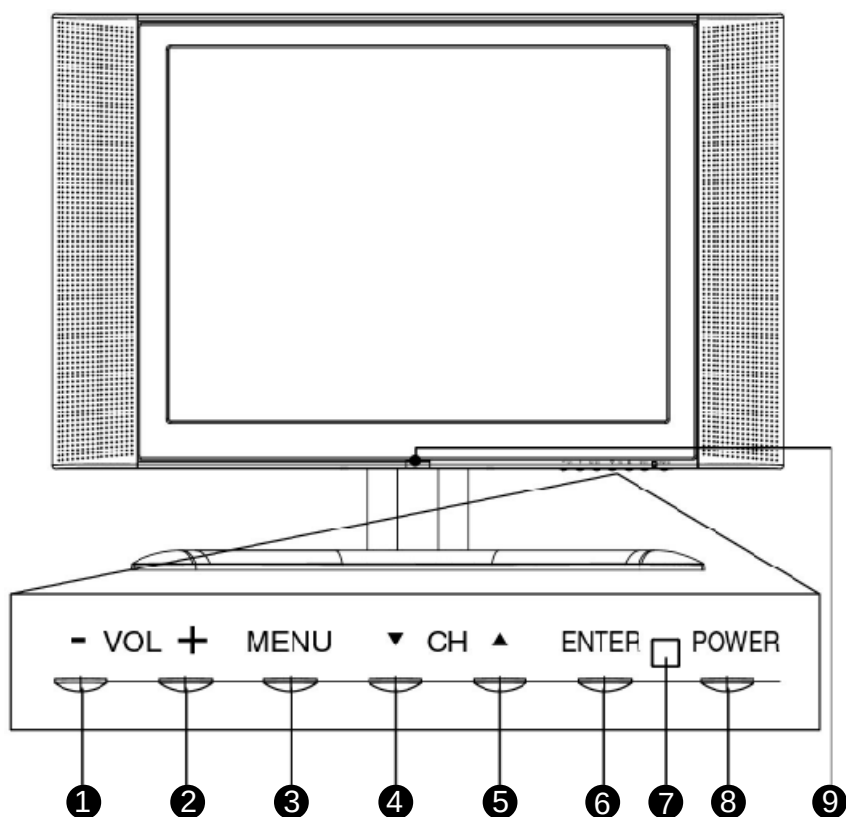
### 5. If in PC mode Windows Users:

Setting the Timing Mode  
(Resolution and Refresh Rate)  
*Example: 800 x 600 @ 75 Hz*  
Resolution Right-click on the Windows desktop > Properties > Settings > "Desktop Area". Set the resolution.  
Refresh Rate (vertical frequency)  
See your graphic card's user guide for instructions.

### 6. If in TV mode you can auto scan TV channel from OSD menu (page 7.)

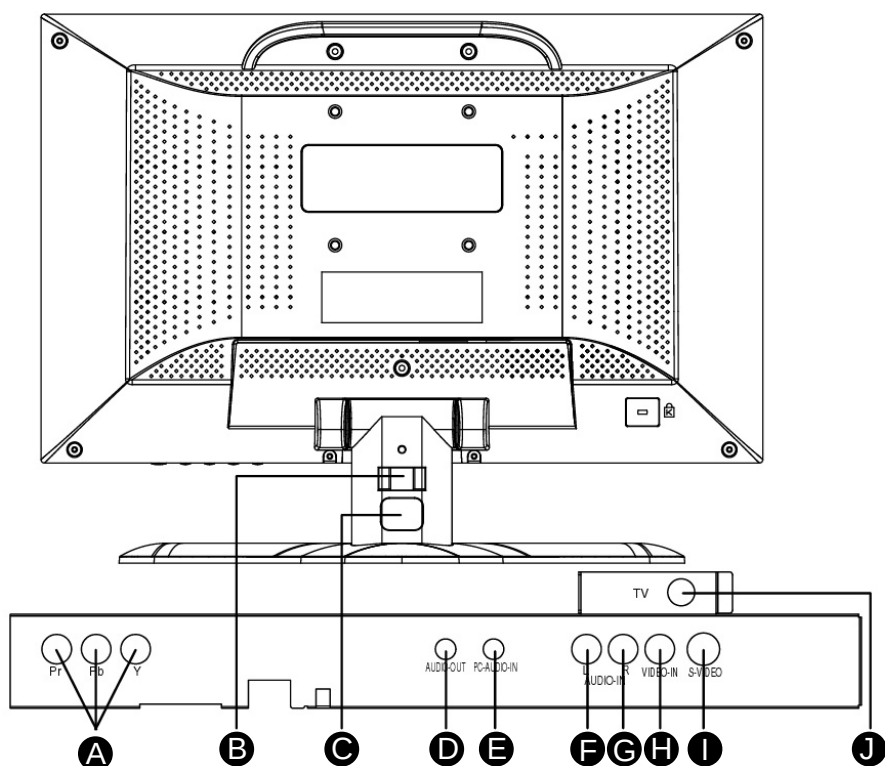


## Front Panel Control



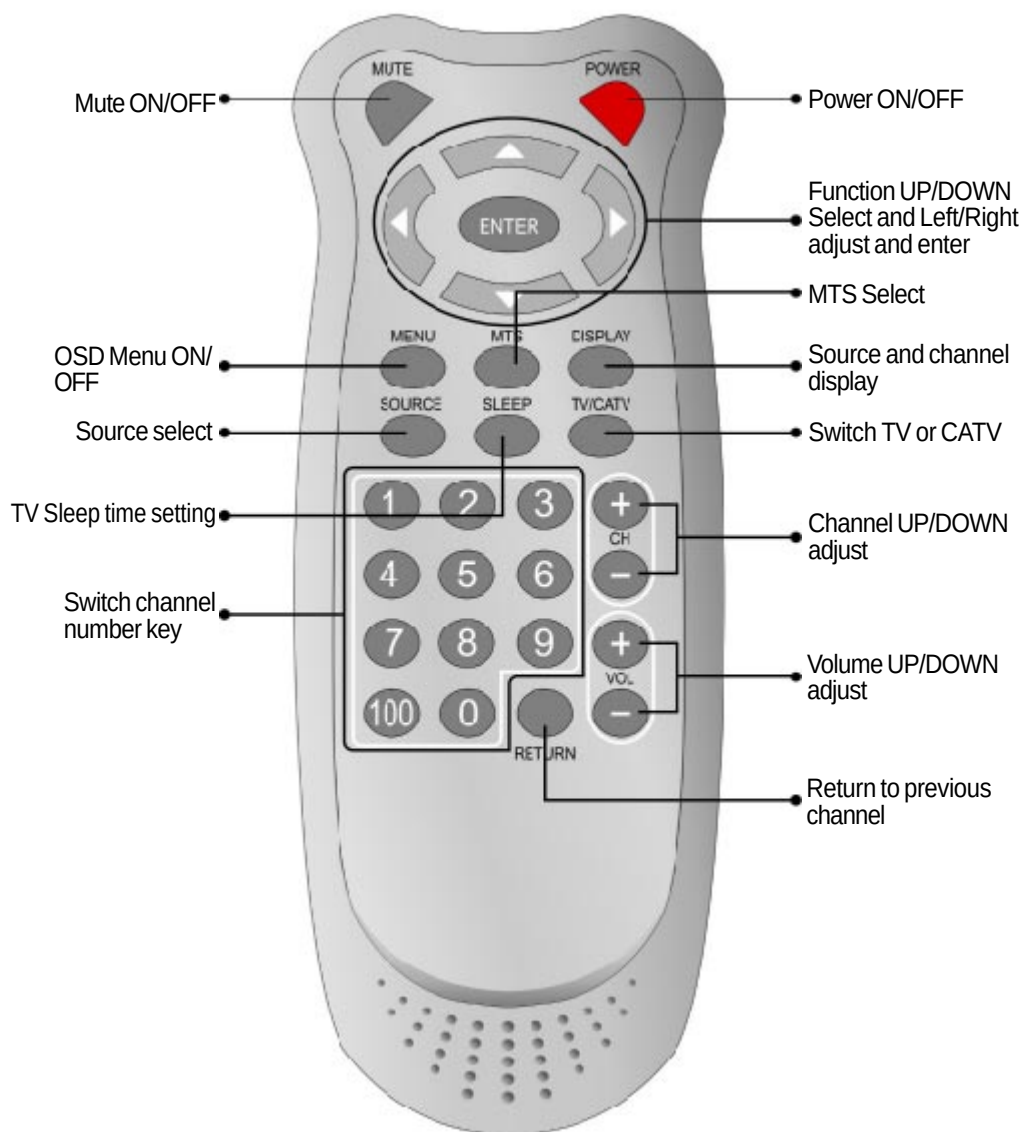
|   |                                |
|---|--------------------------------|
| ① | Volume Down or adjust decrease |
| ② | Volume Up or adjust increase   |
| ③ | Menu Key OSD ON/OFF            |
| ④ | Scroll Down                    |
| ⑤ | Scroll UP                      |
| ⑥ | Enter                          |
| ⑦ | Power LED indicator            |
| ⑧ | Power ON/OFF switch            |
| ⑨ | Remote control receiver        |

# Installation



|          |                                  |
|----------|----------------------------------|
| <b>A</b> | YPbPr signal input               |
| <b>B</b> | VGA signal input                 |
| <b>C</b> | Power input (AC input)           |
| <b>D</b> | Audio output                     |
| <b>E</b> | Audio input of PC                |
| <b>F</b> | Video signal Audio input (left)  |
| <b>G</b> | Video signal Audio input (right) |
| <b>H</b> | AV Video input                   |
| <b>I</b> | S-Video input                    |
| <b>J</b> | TV signal input                  |

# Remote Control



## Using the OSD Functions

Press menu key to display OSD Menu, and press menu key again to change menu page.

### TV mode

#### Picture Menu:



This submenu is to adjust Contrast, Brightness, Color, Tint and sharpness.

**Contrast:** To adjust the contrast of the video. (right: low contrast, left: high contrast)

**Brightness:** To adjust the Luminance of the Video. (right: low, left: Max)

**Color:** To adjust color saturation. (right: pale color, left: brilliant color)

**Tint:** To adjust the tint level. (right: greenish tone, left: reddish tone)

**Sharpness:** To adjust the picture sharpness of display.



This submenu can adjust MTS, Balance, Bass, Treble, and mute ON/OFF.

## Using the OSD Functions

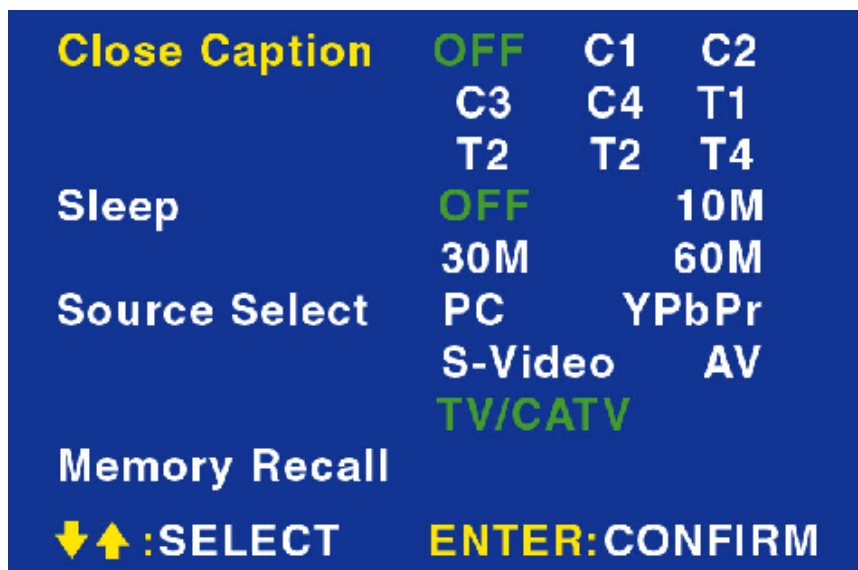
**MTS:** To select audio output condition to stereo, SAP or mono.

**Balance:** To adjust the left and right audio balance.

**Bass:** To adjust the bass.

**Treble:** To adjust the treble.

**Mute:** To adjust the Mute ON/OFF.



This submenu can set Close Caption, Sleep time, and Source Select (PC, YPbPr, S-Video, AV)

**Close Caption:** To select the close caption.

**Sleep:** To select the TV sleep time.

**Source Select:** To select the input source (PC, YPbPr, S-Video, AV).

**Memory Recall:** Recall factory setting condition, about video & Audio setting.

## Using the OSD Functions



**TV/CATV SELECT:** To select TV signal input between TV and CATV.

**AutoScan:** To autoscan the TV channel (TV or CATV).

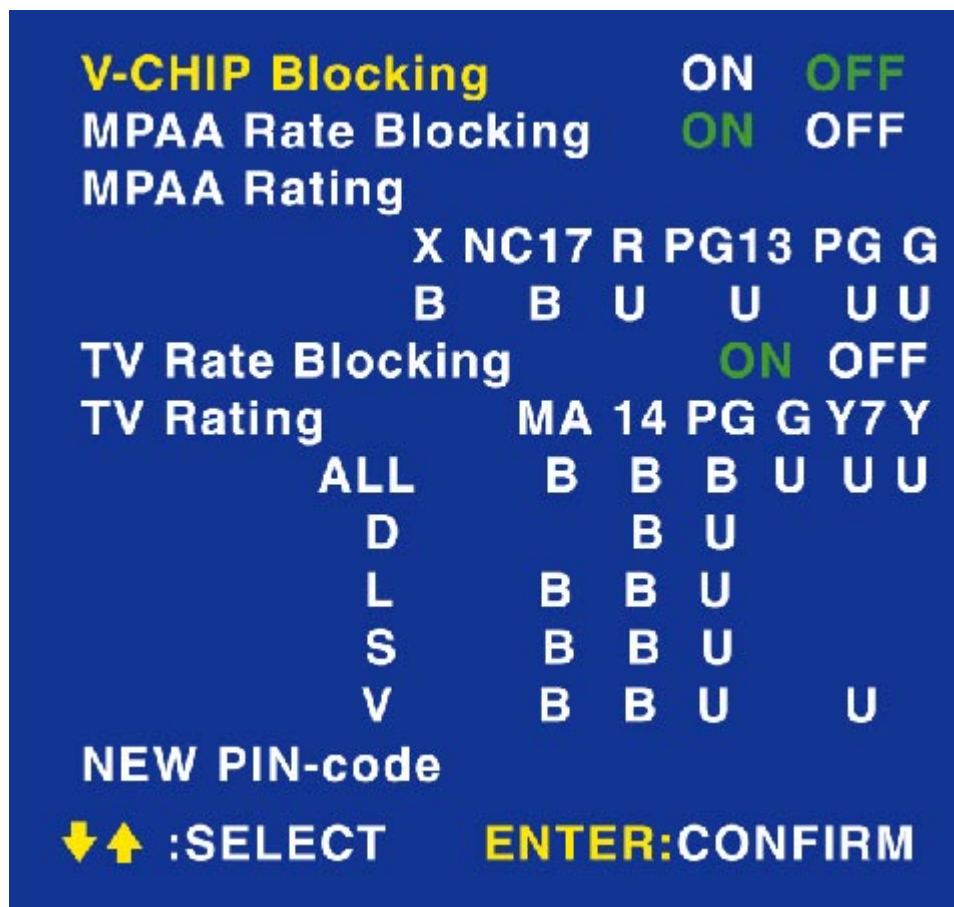
**Channel:** Add or delete TV channel.

**V-CHIP Control:** To set V-Chip condition and password.



**V-Chip setting:** To enable V-Chip functions, please enter 1234 if you have not assigned the special password.

## Using the OSD Functions



Use remote control ▲, ▼, ◀, ▶ and enter key to set parental guidelines.

- Press ▲, ▼, ◀, ▶ key to move the cursor.
- When the text is yellow, press enter key to set block or unblock condition.
- New PIN-Code: You can change the password.

## Using the OSD Functions



In case TV receives V-Chip protected program, following message appears on the screen.



If you want to release V-Chip protection.

1. Press Menu-Key.
2. Press password from remote control, The V-Chip block OSD will disappear.

## Using the OSD Functions

Press menu key to display OSD Menu.

### Video mode (Include-YPbPr, AV)

Picture Menu:



This submenu can to adjust Contrast, Brightness, Color, Tint and sharpness.

**Contrast:** To adjust the contrast level.

**Brightness:** To adjust the brightness level.

**Color:** To adjust color saturation. (right: pale color, left: brilliant color)

**Tint:** To adjust the tint level. (right: greenish tone, left: reddish tone)

**Sharpness:** To adjust the picture sharpness of display. (right: soft, left: sharper)



This submenu can to adjust Balance, Bass, Treble, and to mute ON/OFF.

**Balance:** To adjust the left and right audio balance.

**Bass:** To adjust the bass.

## Using the OSD Functions

**Treble:** To adjust the treble.

**Mute:** To select the Mute ON/OFF.



**Source Select:** To select the source (PC, YPbPr, S-Video, AV).

**Memory Recall:** Recall factory setting condition, about video & Audio setting.

## Using the OSD Functions

Press menu key to display OSD Menu.

### PC mode

Main Menu:



## Adjusting

**Auto Adjust:** Auto adjust picture's horizontal position, vertical position, fine tune and H-Size.

## Memory Recall

**Memory Recall:** Restore default settings of contrast (Max), brightness (Middle), color temperature (preset color), OSD Position (Center), Sharpness (Min) and Volume (Middle).

## Using the OSD Functions



Contrast: To adjust the contrast level.

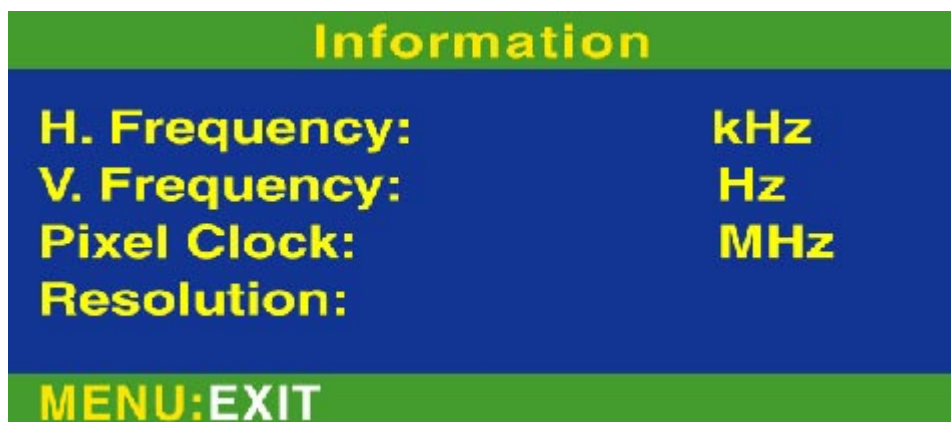


Brightness: To adjust the brightness level.



Color Adjust: To select the preset color temperature or user color setting.

## Using the OSD Functions



Information: Show current mode condition.



Image adjust: adjust horizontal /vertical position ,fine tune and H-size and sharpness.



H. Position: To adjust the horizontal position of the video.

## Using the OSD Functions

### V. Position



**MENU:EXIT**

**ENTER:** 

**V. Position:** To adjust the vertical position of the video.

### Fine Tune



**MENU:EXIT**

**Fine Tune:** To adjust the delay time.

### H. Size



**MENU:EXIT**

**H. Size:** To adjust the delay time between horizontal synchronous signal and video.

### Sharpness



**MENU:EXIT**

**Sharpness:** To adjust the picture sharpness of display.

## Using the OSD Functions



**Volume:** To adjust the volume.

**Mute:** To select the Mute ON/OFF.



**Source Select:** To select input source is PC, YPbPr, S-Video, AV, or TV/CATV.

## 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 | f <sub>p</sub> (picture) | f <sub>s</sub> (sound) | f <sub>osc</sub> | Ch. | Freq.range | f <sub>p</sub> (picture) | f <sub>s</sub> (sound) | f <sub>osc</sub> |
|-----|------------|--------------------------|------------------------|------------------|-----|------------|--------------------------|------------------------|------------------|
| 2   | 54 – 60    | 55.25                    | 59.75                  | 101.00           | 43  | 644 – 650  | 645.25                   | 649.75                 | 691.00           |
| 3   | 60 – 66    | 61.25                    | 65.75                  | 107.00           | 44  | 650 – 656  | 651.25                   | 655.75                 | 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  | 639 – 644  | 639.25                   | 643.75                 | 685.00           |     |            |                          |                        |                  |

# TV Frequency Table

| Ch. | Freq. range | f <sub>p</sub> (picture) | f <sub>s</sub> (sound) | f <sub>osc</sub> | Ch. | Freq. range | f <sub>p</sub> (picture) | f <sub>s</sub> (sound) | f <sub>osc</sub> |
|-----|-------------|--------------------------|------------------------|------------------|-----|-------------|--------------------------|------------------------|------------------|
| 2   | 54 – 60     | 55.25                    | 59.75                  | 101.00           | JJ  | 46          | 354 – 360                | 355.25                 | 359.75           |
| 3   | 60 – 66     | 61.25                    | 65.75                  | 107.00           | KK  | 47          | 360 – 366                | 361.25                 | 365.75           |
| 4   | 66 – 72     | 67.25                    | 71.75                  | 113.00           | LL  | 48          | 366 – 372                | 367.25                 | 371.75           |
| 5A  | 72 – 78     | 73.25                    | 77.75                  | 119.00           | MM  | 49          | 372 – 378                | 373.25                 | 377.75           |
| 5   | 76 – 82     | 77.25                    | 81.75                  | 123.00           | NN  | 50          | 378 – 384                | 379.25                 | 383.75           |
| 6   | 82 – 88     | 83.25                    | 87.75                  | 129.00           | OO  | 51          | 384 – 390                | 385.25                 | 389.75           |
| A-5 | 90 – 96     | 91.25                    | 95.75                  | 137.00           | PP  | 52          | 390 – 396                | 391.25                 | 395.75           |
| A-4 | 96 – 102    | 97.25                    | 101.75                 | 143.00           | QQ  | 53          | 396 – 402                | 397.25                 | 401.75           |
| A-3 | 102 – 108   | 103.25                   | 107.75                 | 149.00           | RR  | 54          | 402 – 408                | 403.25                 | 407.75           |
| A-2 | 108 – 114   | 109.25                   | 113.75                 | 155.00           | SS  | 55          | 408 – 414                | 409.25                 | 413.75           |
| A-1 | 114 – 120   | 115.25                   | 119.75                 | 161.00           | TT  | 56          | 414 – 420                | 415.25                 | 419.75           |
| A   | 120 – 126   | 121.25                   | 125.75                 | 167.00           | UU  | 57          | 420 – 426                | 421.25                 | 425.75           |
| B   | 126 – 132   | 127.25                   | 131.75                 | 173.00           | VV  | 58          | 426 – 432                | 427.25                 | 431.75           |
| C   | 132 – 138   | 133.25                   | 137.75                 | 179.00           | WW  | 59          | 432 – 438                | 433.25                 | 437.75           |
| D   | 138 – 144   | 139.25                   | 143.75                 | 185.00           | AAA | 60          | 438 – 444                | 439.25                 | 443.75           |
| E   | 144 – 150   | 145.25                   | 149.75                 | 191.00           | BBB | 61          | 444 – 450                | 445.25                 | 449.75           |
| F   | 150 – 156   | 151.25                   | 155.75                 | 197.00           | CCC | 62          | 450 – 456                | 451.25                 | 455.75           |
| G   | 156 – 162   | 157.25                   | 161.75                 | 203.00           | DDD | 63          | 456 – 462                | 457.25                 | 461.75           |
| H   | 162 – 168   | 163.25                   | 167.75                 | 209.00           | EEE | 64          | 462 – 468                | 463.25                 | 467.75           |
| I   | 168 – 174   | 169.25                   | 173.75                 | 215.00           |     | 65          | 468 – 474                | 469.25                 | 473.75           |
| 7   | 174 – 180   | 175.25                   | 179.75                 | 221.00           |     | 66          | 474 – 480                | 475.25                 | 479.75           |
| 8   | 180 – 186   | 181.25                   | 185.75                 | 227.00           |     | 67          | 480 – 486                | 481.25                 | 485.75           |
| 9   | 186 – 192   | 187.25                   | 191.75                 | 233.00           |     | 68          | 486 – 492                | 487.25                 | 491.75           |
| 10  | 192 – 198   | 193.25                   | 197.75                 | 239.00           |     | 69          | 492 – 498                | 493.25                 | 497.75           |
| 11  | 198 – 204   | 199.25                   | 203.75                 | 245.00           |     | 70          | 498 – 504                | 499.25                 | 503.75           |
| 12  | 204 – 210   | 205.25                   | 209.75                 | 251.00           |     | 71          | 504 – 510                | 505.25                 | 509.75           |
| 13  | 210 – 216   | 211.25                   | 215.75                 | 257.00           |     | 72          | 510 – 516                | 511.25                 | 515.75           |
| J   | 216 – 222   | 217.25                   | 221.75                 | 263.00           |     | 73          | 516 – 522                | 517.25                 | 521.75           |
| K   | 222 – 228   | 223.25                   | 227.75                 | 269.00           |     | 74          | 522 – 528                | 523.25                 | 527.25           |
| L   | 228 – 234   | 229.25                   | 233.75                 | 275.00           |     | 75          | 528 – 534                | 529.25                 | 533.75           |
| M   | 234 – 240   | 235.25                   | 239.75                 | 281.00           |     | 76          | 534 – 540                | 535.25                 | 539.75           |
| N   | 240 – 246   | 241.25                   | 245.75                 | 287.00           |     | 77          | 540 – 546                | 541.25                 | 545.75           |
| O   | 246 – 252   | 247.25                   | 251.75                 | 293.00           |     | 78          | 546 – 552                | 547.25                 | 551.75           |
| P   | 252 – 258   | 253.25                   | 257.75                 | 299.00           |     | 79          | 552 – 558                | 553.25                 | 557.75           |
| Q   | 258 – 264   | 259.25                   | 263.75                 | 305.00           |     | 80          | 558 – 564                | 559.25                 | 563.75           |
| R   | 264 – 270   | 265.25                   | 269.75                 | 311.00           |     | 81          | 564 – 570                | 565.25                 | 569.75           |
| S   | 270 – 276   | 271.25                   | 275.75                 | 317.00           |     | 82          | 570 – 576                | 571.25                 | 575.75           |
| T   | 276 – 282   | 277.25                   | 281.75                 | 323.00           |     | 83          | 576 – 582                | 577.25                 | 581.75           |
| U   | 282 – 288   | 283.25                   | 287.75                 | 329.00           |     | 84          | 582 – 588                | 583.25                 | 587.75           |
| V   | 288 – 294   | 289.25                   | 293.75                 | 335.00           |     | 85          | 588 – 594                | 589.25                 | 593.75           |
| W   | 294 – 300   | 295.25                   | 299.75                 | 341.00           |     | 86          | 594 – 600                | 595.25                 | 599.75           |
| AA  | 300 – 306   | 301.25                   | 305.75                 | 347.00           |     | 87          | 600 – 606                | 601.25                 | 605.75           |
| BB  | 306 – 312   | 307.25                   | 311.75                 | 353.00           |     | 88          | 606 – 612                | 607.25                 | 611.75           |
| CC  | 312 – 318   | 313.25                   | 317.75                 | 359.00           |     | 89          | 612 – 618                | 613.25                 | 617.75           |
| DD  | 318 – 324   | 319.25                   | 323.75                 | 365.00           |     | 90          | 618 – 624                | 619.25                 | 623.75           |
| EE  | 324 – 330   | 325.25                   | 329.75                 | 371.00           |     | 91          | 624 – 630                | 625.25                 | 629.75           |
| FF  | 330 – 336   | 331.25                   | 335.75                 | 377.00           |     | 92          | 630 – 636                | 631.25                 | 635.75           |
| GG  | 336 – 342   | 337.25                   | 341.75                 | 383.00           |     | 93          | 636 – 642                | 637.25                 | 641.75           |
| HH  | 342 – 348   | 343.25                   | 347.75                 | 389.00           |     | 94          | 642 – 648                | 643.25                 | 647.75           |
| II  | 348 – 354   | 349.25                   | 353.75                 | 395.00           |     |             |                          |                        |                  |

# Technical Information

## Technical Specification

|                               |                                                   |                      |
|-------------------------------|---------------------------------------------------|----------------------|
| <b>LCD Panel</b>              | 18.1" 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>        | 0.3585 x 0.3585 mm                                |                      |
| <b>LCD Display Color</b>      | 16.7M(8 bits/color)                               |                      |
| <b>Viewing Angle</b>          |                                                   | 18.1" (typical)      |
|                               |                                                   | CR $\geq$ 10         |
|                               | Horizontal                                        | -75° + 75° (typical) |
|                               | Vertical                                          | -50° + 60° (typical) |
| <b>Tilt</b>                   | +20° , -5°                                        |                      |
| <b>Contrast Ratio</b>         | 350 : 1 (typical)                                 |                      |
| <b>Brightness</b>             | 450 cd /m <sup>2</sup> (typical)                  |                      |
| <b>Response Time</b>          | Tr= 6 ms (typical)                                |                      |
|                               | Tf=19 ms (typical)                                |                      |
| <b>Active Display Area</b>    | 367 mm x 276 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 55 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 direct ray of 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.