

T221 Flat-Panel Monitor



User's Guide Supplement

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## T221 Flat-Panel Monitor Added User's Guide Supplement

This Supplement describes how to update the firmware of the IBM T221 Flat-Panel Monitor (9503-DGx), using the Firmware Update Utility.

There are two versions of the utility, one for the <Foundation Model> and the other for the <Advanced Model>.

Use the following information to select the appropriate version.

### The difference and notes of each utility

- The <Foundation Model> utility can only be used with the IBM T221 9503-DG5 model, no other models of the T221 are supported.  
The <Advanced Model> utility can be used with all models of the IBM T221, 9503-DG1, 9503-DG3, and 9503-DG5.
- Please refer to attached ReadMe for instructions on using the utilities.
- The utilities can be downloaded from the following sites.  
<http://www.ibm.com/support/.....>{note:this url should be complete, or the search terms given}
- The utilities enable different feature sets of the T221 On-Screen Display (OSD) as follows.

Function	Advanced Model	Foundation Model
Change and display of EDID by OSD <sup>*1</sup>	O	X
Select the key repeat rate	X	O
Select the OSD display time	X	O
Display of video input type <sup>*2</sup>	O	X
Image smoothing effective mode <sup>*3</sup>	O	X

\*1 : refer to User's Guide - Appendix B.

\*2 : refer to User's Guide -Chapter 3 :*Setting the monitor control buttons*

\*3 : refer to User's Guide -Chapter 3 :*Setting the monitor control buttons*

if the <Foundation Model> Utility is used, the color management mode is always selected.

- Depending on the selected feature set, there are some related appearance and operational differences.
  - OSD Menu layout.
  - Color table parameter setting.
- If it is necessary to select a different EDID value when using the <Foundation Model> feature set, the <Foundation Model> utility should be re-run, and the appropriate graphic card/usage chosen.

The T221 User's Guide included with the product assumes the <Advanced Model> feature set is being used.

This supplement describes the differences when the <Foundation Model> feature set is selected.

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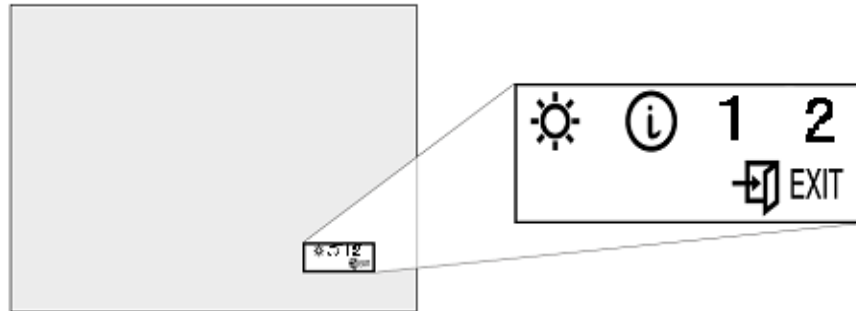
## Chapter 3. Adjusting and maintaining your monitor

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### Setting the monitor control buttons

#### Accessing the on-screen display (OSD) menus

You can access the on-screen display (OSD) menus by pressing the **Menu/Enter** button. The OSD menus enable you to set the various operating conditions of your monitor.



The OSD menu consist of the following:

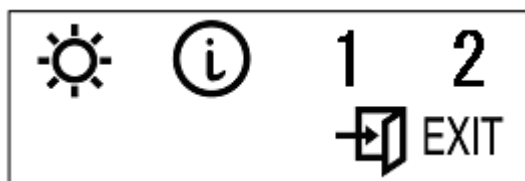
Main menu (for menu selection)




Submenus (for controls setting)

- Brightness level
- Display signal information (vertical frequency and resolution)
- Key repeat time
- OSD display time

#### Main menu

To access the Main menu, press the **Menu/Enter** button. The Main menu appears on the display screen.



OSD Icon	Description
	Used to display the Brightness submenu.
	Used to display the Information submenu.
1	Used to select the key repeat time.
2	Used to set the OSD display time.
 EXIT	Exit from the Main menu.

To exit the Main menu, select the **Exit** icon using the **Left-Arrow** or the **Right-Arrow** button, then press the **Menu/Enter** button.

To reset the OSD settings to the default value, do the following:

1. Power off the monitor.
2. While pressing the **Menu/Enter** button, press the Power switch to on. The Power light changes cyclically between green and amber for several seconds. And the screen remains blank before the default settings are restored.

**Note:** This does NOT reset any changes to the EDID settings.

### Submenus

To access a submenu, do the following:

#### Brightness submenu

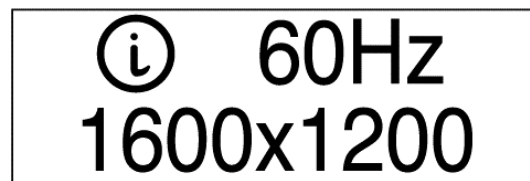
1. Select the **Brightness** icon on the Main menu using the **Left-Arrow** or the **Right-Arrow** button
2. Press the **Menu/Enter** button. The Brightness submenu appears.



3. Adjust the brightness using the **Left-Arrow** or the **Right-Arrow** button.
4. Press the **Menu/Enter** button to exit from this submenu.

#### Information submenu

1. Select the **Information** icon on the Main menu using the **Left-Arrow** or the **Right-Arrow** button, to check the vertical frequency and the resolution of your monitor
2. Press the **Menu/Enter** button. The Information submenu appears.



3. Press the **Menu/Enter** button to exit from this submenu.

**Key repeat rate**  **submenu**

1. Select the **Key repeat rate** icon on the Main menu using the **Left-Arrow** or the **Right-Arrow** button.
2. Press the **Menu/Enter** button. The Key repeat time submenu appears.

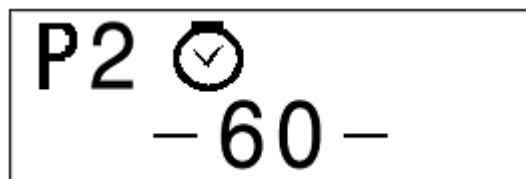


Setting Value	Description
0	No repeat
1	Normal : about 0.2sec Interval (Default)
2	Slow : about 2 sec. Interval

3. Select the Key repeat time using the **Left-Arrow** or the **Right-Arrow** button.
4. Press the **Menu/Enter** button to exit from this submenu.

**OSD display time**  **submenu**

1. Select the **OSD display time** icon on the Main menu using the **Left-Arrow** or the **Right-Arrow** button.
2. Press the **Menu/Enter** button. The OSD display time submenu appears.



3. Adjust the OSD display time using the **Left-Arrow** or the **Right-Arrow** button.  
Setting Value: 5sec, 10sec, 30sec, 60sec(Default)
4. Press the **Menu/Enter** button to exit from this submenu.

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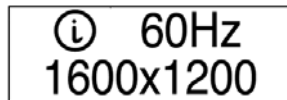
## Appendix B. Updating the settings for your monitor

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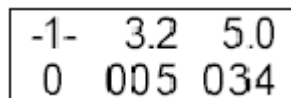
**Applicable model: All models with the following firmware level**

### 2. Enabling the special OSD (on-screen display) menu

- a. Press the **Menu/Enter** button and navigate to the **Information** icon by using the the **Left-Arrow** or the **Right-Arrow** button. Press the **Menu/Enter** button to access the information screen. The refresh rate and screen resolution will be displayed, as in this example:



- b. Press the **Left-Arrow** button three times, and then press the **Right-Arrow** button three times. The special OSD menu will be display, as in this example:



In this display, the firmware version is shown in the following format:

```
-----  
-1-  aaa  bbb  
   e   ccc  ddd  
-----
```

where

- aaa: DDC-CPU version
- bbb: OSD-CPU version
- ccc: USB-CPU version
- ddd: FPGA-LOGIC version
- e: Color management model
  - 0: Initial Setting Parameters are used. (Default)
  - 1: Parameters set by User are used for the conversion table for Color Management.

If the special OSD menu does not appear, press the **Menu/Enter** button to exit from the OSD menu. and try again from step 2a.