

BNP-B2192* (ENG)

MITSUBISHI CNC

MELDASMAGIC 64

MELDASMAGIC MONITOR OPERATION MANUAL

ADVANCED AND EVER ADVANCING
MITSUBISHI ELECTRIC

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Introduction

This operation manual is a guide for using the "MELDASMAGIC Monitor".
The "MELDASMAGIC Monitor" is software that carries out NC screen operations.

This manual describes the "MELDASMAGIC Monitor" starting method, and usage, etc.





The NC operation is described in the instruction manuals below.

- (1) MELDAS64D/64M Operation Manual
An explanation manual for the MELDAS64D/64M operation and screen function.
- (2) MELDAS64L/64G Operation Manual
An explanation manual for the MELDAS64L/64G operation and screen function.

Before using each NC function, read either (1) or (2) above along with this explanation manual. To safely use the MELDASMAGIC Series, thoroughly study the "Precautions for Safety" on the next page.

Descriptions used in this manual

CAUTION

-  For items described as "Restrictions" and "Usable State" etc., the instruction manual issued by the maker takes precedence over this manual.
-  Items not described in this manual must be interpreted as "Not Possible".
-  This instruction manual has been written on the assumption that all options are provided. Check the specifications issued by the machine maker before starting use.
-  Some screens and functions may differ or may not be used depending on the NC system version.

Precautions for Safety

Always read the specifications issued by the machine maker, this manual, related manuals and enclosed documents before starting installation, operation, programming, maintenance or inspections to ensure correct use. Thoroughly understand the basics, safety information and precautions of this numerical controller before using the unit.

The safety precautions are ranked as "DANGER", "WARNING" and "CAUTION" in this manual.



DANGER

When there is a great risk that the user could be subject to fatalities or serious injuries if handling is mistaken.




WARNING

When the user could be subject to fatalities or serious injuries if handling is mistaken.



CAUTION

When the user could be subject to injuries or when physical damage could occur if handling is mistaken.

Note that even if the item is ranked as "  **CAUTION**", incorrect handling could lead to serious results. Important information is described in all cases, so please observe the items.



DANGER

Not applicable in this manual.



WARNING

Not applicable in this manual.



CAUTION

Items related to product and manual



For items described as "Restrictions" or "Usable State" in this manual, the instruction manual issued by the machine maker takes precedence over this manual.



Items not described in this manual must be interpreted as "not possible".



This manual is written on the assumption that all option functions are added.



Refer to the specifications issued by the machine maker before starting use.

Some screens and functions may differ or may not be usable depending on the NC version.

1. Outline

The MELDASMAGIC Monitor is software that carries out NC screen operations. By using this software, it is possible to edit the machining program, set various offsets and parameters, etc., and display the diagnosis information, etc.

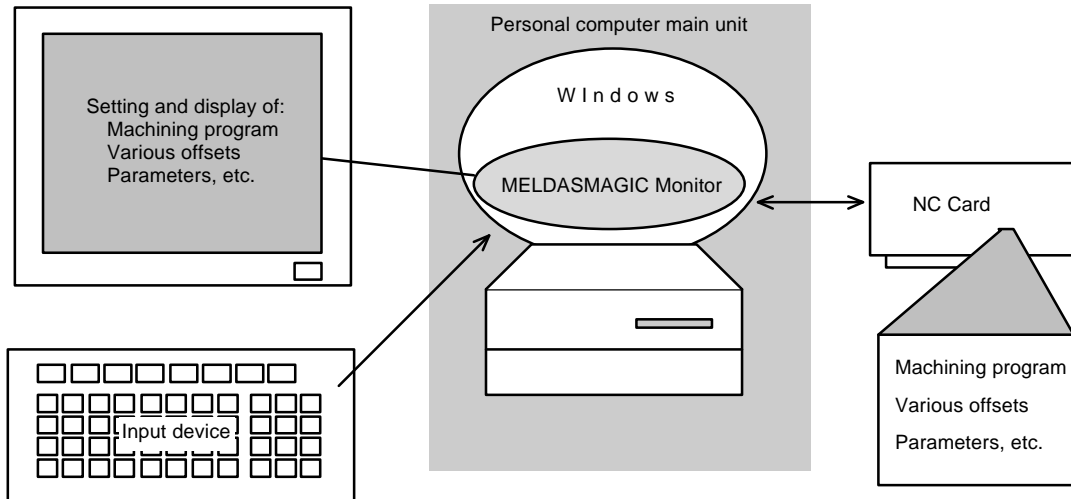


Fig. 1-1 MELDASMAGIC Monitor functions

2. Starting/Quitting the MELDASMAGIC Monitor

2.1 Starting the MELDASMAGIC Monitor

To start the MELDASMAGIC Monitor, select [Programs]-[MELDASMAGIC]-[MELDASMAGIC Monitor] from the [Start] menu, as shown in "Fig. 2-1 MELDASMAGIC Monitor Start Screen".

- ◇ The explanations in this manual are assuming that the installation is following the Setup Instruction Manual. Start methods differ according to the installation method.
- ◇ This manual explains the basic Windows application as keyboard operations, but operation is also possible with a pointing device such as a mouse.

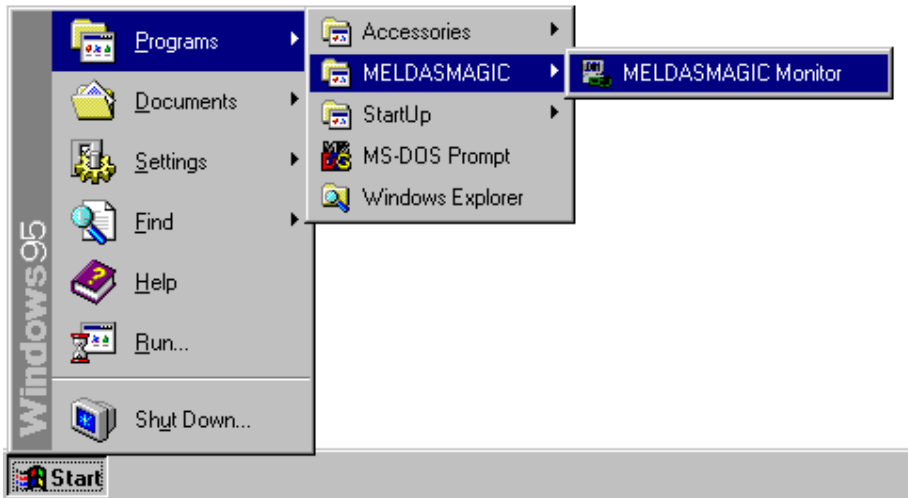


Fig. 2-1 MELDASMAGIC Monitor Start Screen

The key operation is explained below.

Simultaneously press the [Ctrl] key + the [Esc] key, and select the [Start] button.

The Start menu appears. Select [MELDASMAGIC Monitor] with the [Arrow] keys. (← → ↑ ↓).

Press the [Enter] key, and start the [MELDASMAGIC Monitor].

⚠ CAUTION

- (1) If the NC Card and the API Runtime software are not installed correctly, the MELDASMAGIC Monitor will not start. Refer to the "Setup Instruction Manual" for information on installing the NC Card.
- (2) The MELDASMAGIC Monitor is displayed with the "SYSTEM Font" when started the first time. Following section "3.2 Changing the Fonts", select either "Courier New" for an English environment, "MS Mincho" for a Japanese environment, etc.
- (3) The MELDASMAGIC Monitor cannot start while other programs are running.

2.2 Quitting the MELDASMAGIC Monitor

Quit by selecting [File]-[Exit] from the menu on the MELDASMAGIC Monitor screen.

The key operation is explained below.

Simultaneously press the [Alt] key and the [F] key to validate the menu [File].

Press the [↓] arrow key, select [Exit], and then press the [Enter] key.



Fig. 2-2 Quit Screen of the MELDASMAGIC Monitor

3. MELDASMAGIC Monitor display section

3.1 MELDASMAGIC Monitor screen

When the MELDASMAGIC Monitor is started, the screen shown in "Fig. 3-1 MELDASMAGIC Monitor Screen" will appear.

Fig. 3-1 MELDASMAGIC Monitor Screen

(1) The NC function selection keys are assigned to the personal computer function keys F7~F12.

(2) The MELDASMAGIC trademark and software version are displayed.

(3) Windows menu
 [File] Quit the application
 [Screen]..... The screen size and font can be changed

(4) Displays the mounted NC Card. The card No. of the presently displayed screen is highlighted. Change the displayed NC Card with the F6 function key.

(5) Displays the NC status. [Ready (Operation possible), Not Ready (Operation not possible), Not Reply (Communication stopped)]

(6) Shows the NC reset and data edit keys, etc.

(7) F1~F5 correspond to each menu of the NC display area.

(8) The NC various function screen appears. The menu appears in the lowest line.

⚠ CAUTION

Mouse operation in the guide display area (1), (2), and NC screen display area is not possible.

3.2 Changing the font

The display font can be changed with the MELDASMAGIC Monitor.

- (1) To change the font, select [Screen]-[Font...] from the menu of the MELDASMAGIC Monitor screen.

The key operation is explained below.

Simultaneously press the [Alt] key + the [S] key to validate the menu [Screen]. Use the [Arrow] keys (← →↑↓) to select the menu items. Press the [Enter] key to choose an item.

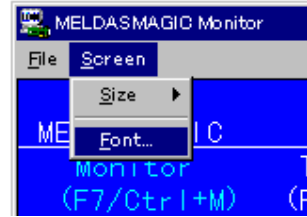


Fig. 3-2 Font menu selection

- (2) Select the menu [Screen]-[Font...]. When chosen (Enter key), the window in Fig. 3-3 will appear. Select the font from the combo box, and choose with the [Enter] key.

The key operation is explained below.

Simultaneously press the [Alt] + [↓] keys to open the combo box. The fonts registered in the personal computer will appear. Select the font required using the [Arrow] keys (← →↑↓). To choose a font, press the [Enter] key when the [OK] button becomes active. Use the [TAB] key to change the [OK] and [Cancel] buttons.

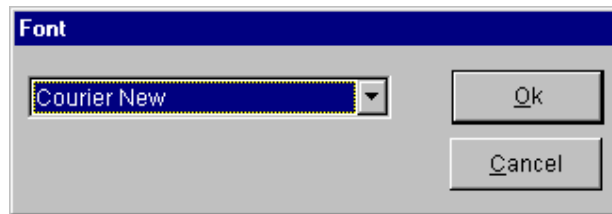


Fig. 3-3 Font selection dialog box

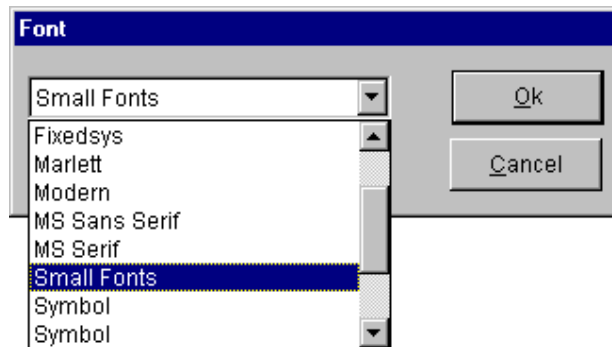


Fig. 3-4 Open the combo box with the [Alt] + [↓] keys

- ◇ The MELDASMAGIC Monitor is displayed with the SYSTEM font when started for the first time. The recommended fonts should be reset, "Courier New" for an English environment, "MS Mincho" for a Japanese environment.
- ◇ Some fonts may not appear correctly on the screen, depending on the font selected.
- ◇ The screen size changes according to the selected font.
- ◇ Alphabetic characters used in a Japanese display will not appear correctly. Select a Japanese font.
- ◇ The changed font will appear when the system is restarted after the font is changed.

3.3 Changing the screen size

The screen size can be changed with the MELDASMAGIC Monitor.

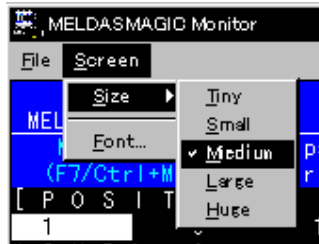


Fig. 3-5 Screen size selection

Select the screen size from the [Screen]-[Size] of the MELDASMAGIC Monitor screen menu. Screen size can be selected from five sizes. The screen sizes that can be selected are, starting with the smallest, "Tiny", "Small", "Medium", "Large", and "Huge".

The key operation is explained below.

Press the [Alt] key to validate the Windows menu ([File] [Screen] of Fig. 3-2). Use the [Arrow] keys (← → ↑ ↓) to move the menu items. Press the [Enter] key when the screen size is selected.

- ◇ The changed screen size will appear when the system is restarted after the screen size is changed.
- ◇ Depending on the font, some screen sizes may not be selected. A size also may not be selected if it is not integrated into the software.

4. Reading the MELDAS64 Operation Manual

The MELDAS64 Operation Manual is described assuming a setting and display device as in Fig. 4-1.

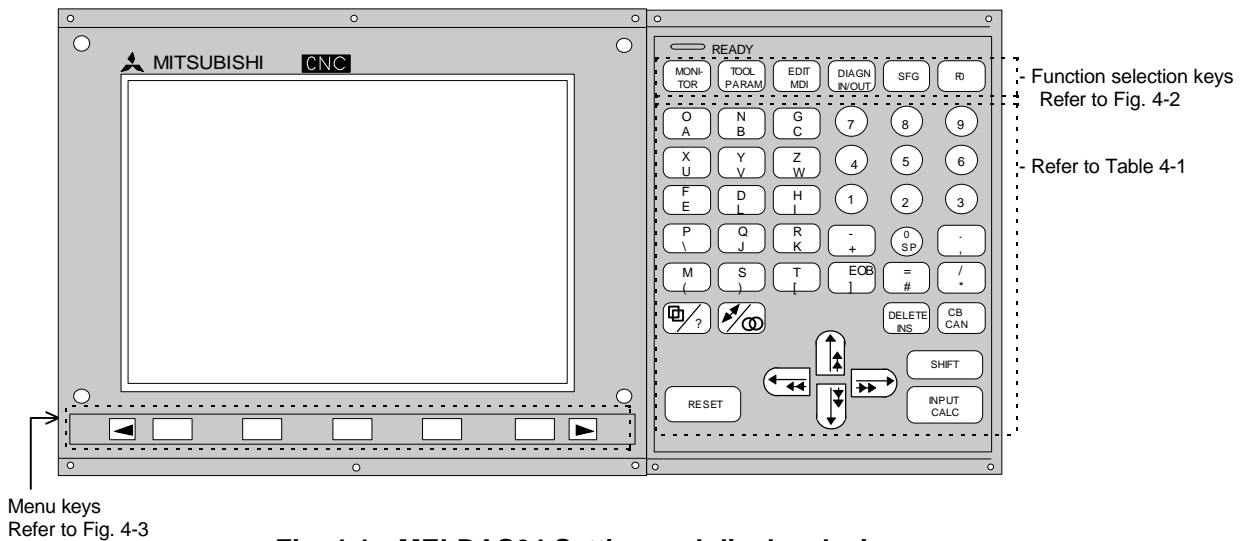


Fig. 4-1 MELDAS64 Setting and display device

The various function selection keys in the MELDAS64 Operation Manual (hereafter, M64 Operation Manual) correspond to the function keys F7~F12 as shown in "Fig. 4-2 Function selection keys".

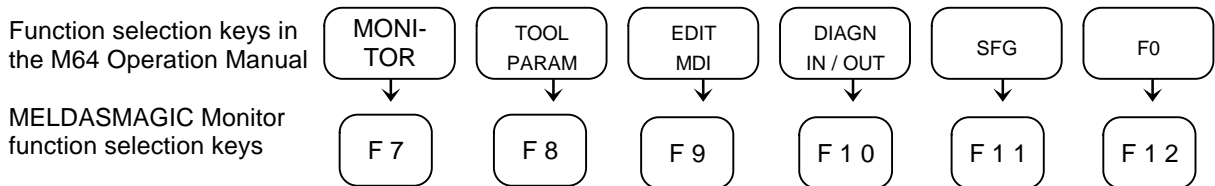


Fig. 4-2 Function selection keys

The screen selected with the various function selection keys of the MELDASMAGIC Monitor can be further defined and changed. These screens are called menu screens. They are changed with the F1~F5 function keys and the page keys.

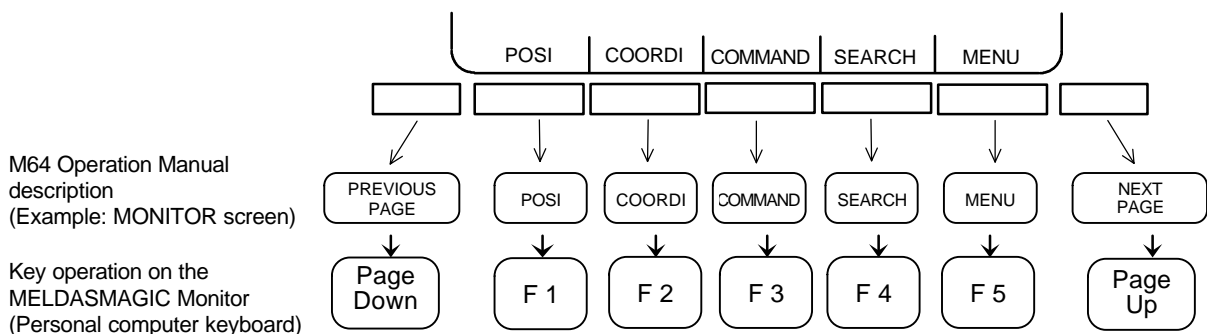


Fig. 4-3 Menu keys

The alphabet, number, and sign keys in the M64 Operation Manual use the corresponding keys on the personal computer.
 The special keys correspond as shown in "Table 4-1 Table of corresponding special keys".

Table 4-1 Table of corresponding special keys

Input key	M64 Operation Manual display (Example)	MELDASMAGIC Monitor key operation (Personal computer keyboard)
O		
7		
A	SHIFT	
(SHIFT	SHIFT
Space	SHIFT	
;		
DEL		
INS	SHIFT	
CB		
CAN	SHIFT	Ctrl
INPUT		
CALC	SHIFT	Ctrl
Reset		
→→	SHIFT	Ctrl

Revision History

Sub-No.	Date of revision	Revision details
*	July, 1997	First edition created.

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