

# M150/M500

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## Manual

V1.1

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This operation manual is a supplement to the <DM500 Motion Controller user Manual.pdf>.

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## 1. Version introduction

### 1.1 Version introduction

### 1.2 Difference between DM500 and M150

Types	axes	Main display	Para display	Sign of success	Upgrade package	Brand
DM500-3	3	XYZ	No A parameter	Ver:Date+eng	DM500-3-install	DigitalDream
DM500-4	4	XYZA	With A parameter	Ver: Date+eng	DM500-4-install	DigitalDream
M130	3	XYZ	No A parameter	Ver: Date+chs	M130-install	FOINNC
M150	4	XYZA	With A parameter	Ver: Date+chs	M150-install	FOINNC

If Ver: Date + **XXX** is displayed after the upgrade, it means that the upgrade package is incorrect.

Please select the upgrade package again to upgrade.

### 1.3 Same point:

Software, hardware, performance, functions are exactly the same!

### 1.4 Upgrade Instruction

#### 1.4.1 Restart automatic upgrade

1: Copy the install folder to the root directory of the USB flash drive;

2: U disk is inserted into the handheld controller;

3: power on again and wait

4: Check if Ver: date + chs / eng is correct

If the prompt is unsuccessful, please replace the U disk or upgrade manually;

U disk only supports FAT file format;

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### 1.4.2 Manual upgrade

- 1: Copy the install folder to the root directory of the USB flash drive;
- 2: U disk is inserted into the handheld controller;
- 3: Enter Parameter-Advanced-System Upgrade in sequence;
- 4: restart the system;
- 5: Check whether Ver: date + chs / eng is correct;

## 1.5 Install Description

Install    Description:

file name	Description
Motion.out	Application file
chs	Chinese parameter configuration file User parameters
chs1	Chinese parameter configuration file Vendor parameters
eng	English parameter configuration
msg	Chinese interface character display configuration
msg1	English interface character display configuration
slib.nc	System library files (internal implementation processes such as G81 G82 G28)
T.nc	T code-executable file
Probe.nc	Probe -execution file
Pause.nc	Pause-execute file
logo.bmp	Boot logo picture
Gotoz.nc	All back to workpiece zero
M30	M30-executing file
Safe.nc	Z back safe height
default_setting	Parameter file when restoring factory parameters
setting	Parameter file during upgrade,    This file is not included in the default upgrade package
M5xx M6xx	Custom M code execution file

M7xx	
M8xx	

## 1.6 language setting

Para page-1: Language setting

1: English 0: Chinese

After modification, power on again!

## 1.7 Parameter custom configuration

chs and eng files define attributes of configuration parameters

For example, the language setting in chs:

**#1 =1 p0 -t2 -s1"language setting" -s3"0:eng,1:chs" -m10 -min=0.000 -max=1.000 -i0"Eng" -i1"中文"**

**# 1:** parameter number;

**= 1:** enable forced initialization to 1;

**P0:** parameter modification authority, 0: operator 1: administrator 2: super administrator;

**t2:** t parameter value type;

**-s1:**"Language setting": parameter name in quotation marks after s1;

**m10:** m is the parameter classification number, 0 means hide this parameter;

**-min -max:** parameter minimum value maximum value

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## 2. Macro Programming Introduction

### 2.1 Macro address table

Please refer to < *M150\_DM500\_Macro List .pdf* > file

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### 3. FAQ



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## 4. Appendix

### 4.1 Video

[https://www.youtube.com/watch?v=SI\\_Rx4uLDDM](https://www.youtube.com/watch?v=SI_Rx4uLDDM)

<https://www.youtube.com/watch?v=VWxZlyzRIhQ>

<https://www.youtube.com/watch?v=GgsHS9NwxQA>

<https://www.youtube.com/watch?v=7oPtVCesVz8>

<https://www.youtube.com/watch?v=bJDm7uvUYcE>

[https://www.youtube.com/watch?v=VjoKgC\\_Ais8](https://www.youtube.com/watch?v=VjoKgC_Ais8)

<https://www.youtube.com/watch?v=UYDMIGJPGTE>

<https://www.youtube.com/watch?v=7fR1TI-dyfc>

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