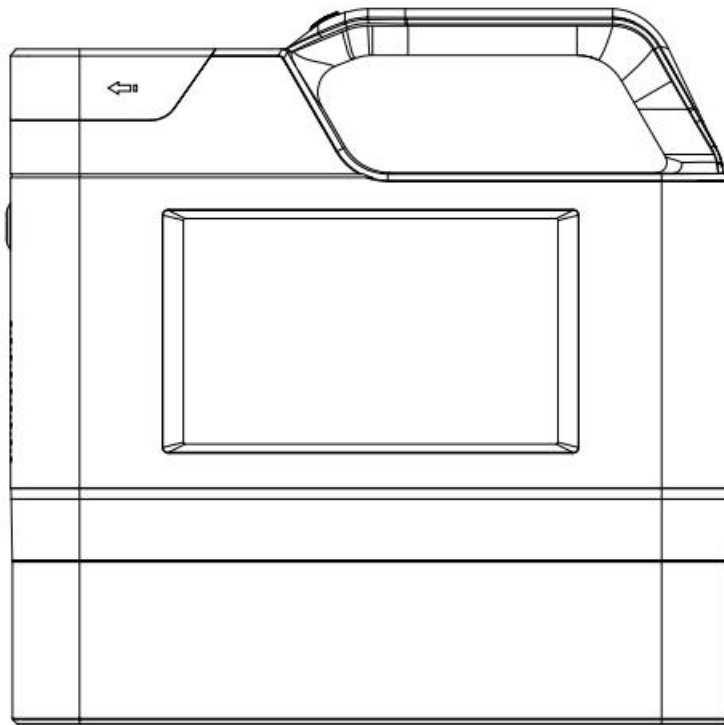


User Manual



Please read this manual carefully to use the product in better performance

WARNING AND NOTE:

1. Do not use laser to irradiate eyes and other parts
2. Do not stare at the laser light point for a long time, so as not to damage the eyes
3. When the machine is not working, please turn off the power
4. Be sure to shut down the machine according to the operation steps when shutting down the machine: Click the shutdown button → select “Yes” → wait for the screen to turn black → turn off the power switch
5. Please do not put the machine in a humid environment, so as not to be affected by the machine
6. When cleaning the machine, keep away from water, do not use chemical solvents
7. Please do not hit the machine with hard objects
8. Do not remove the battery at will

Common problems and ways of handling

Cannot be carved or unclear

- 1) Please check if the power is sufficient;
- 2) Please check if the parameters are set correctly;
- 3) Please check if the bottom baffle is blocking;
- 4) Please check if other parameters are set correctly;

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Dear Customer:

Thank you for purchasing and using the handheld laser marking machine!

To better understand, master and use this machine, please read the user manual carefully, it will bring you convenient, fast and correct operating procedures, otherwise a small mistake or irregular operation may bring the unnecessary trouble.

1. Features

- > Semiconductor laser head;
- > Single-core CPU;
- > 50mm * 50mm Marking Area
- > Large-capacity lithium battery: 7.4v 8000mAh

2. Parameter

Operation System: Linux

Interface: USB

Language: Simple Chinese, Traditional Chinese, English, etc.

Marking Distance: Best marking quality at 50mm

Marking Speed: 100 levels adjustable, 1% 400us each point 100% 2.56ms each point

Laser Intensity: 100 levels adjustable, maximum power 18.2W

Laser Source Life: 8000 hours

Marking Content: Chinese, English, number, symbol, QR code, barcode, picture and date.

Marking Material: wooden board, cardboard, plastic, leather, etc.

Battery: 8000mAh lithium battery pack (7.4V)

Adapter: AC input 100~240V, DC output 8.4V

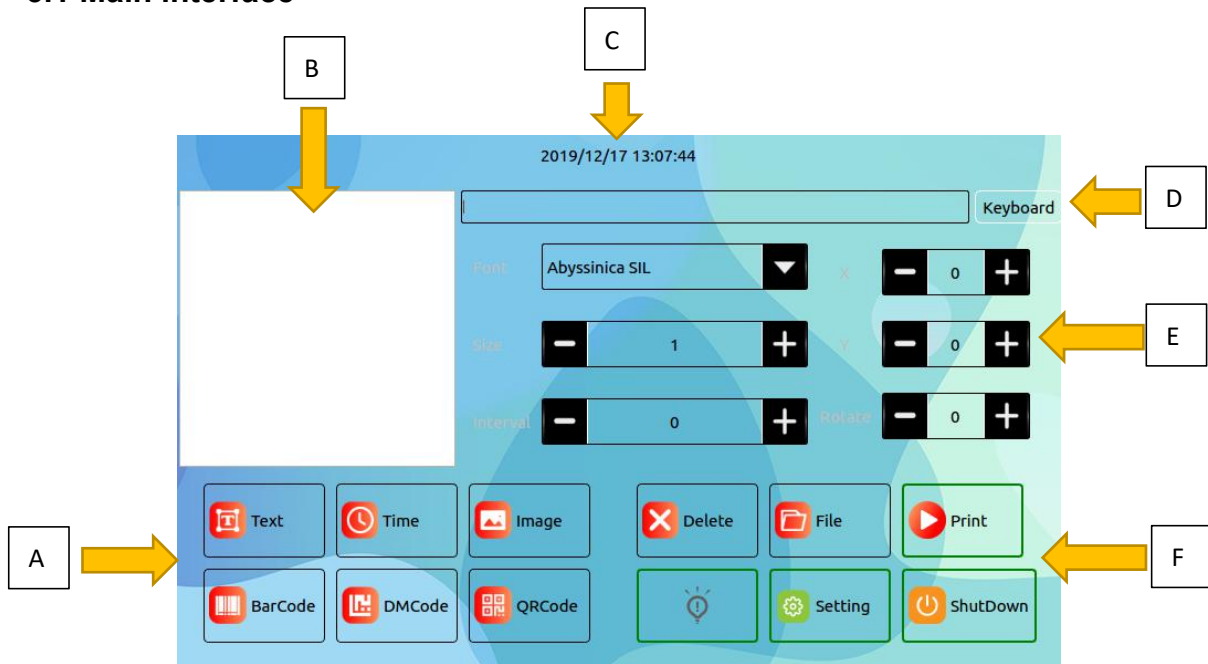
Machine Dimension: 208.75*163.25*85.6mm(H*W*D)

Weight: 2.5KG(with battery)

Temperature: 0 - 65 degree(best at 20-30); Humidity: 40% - 60%Rh

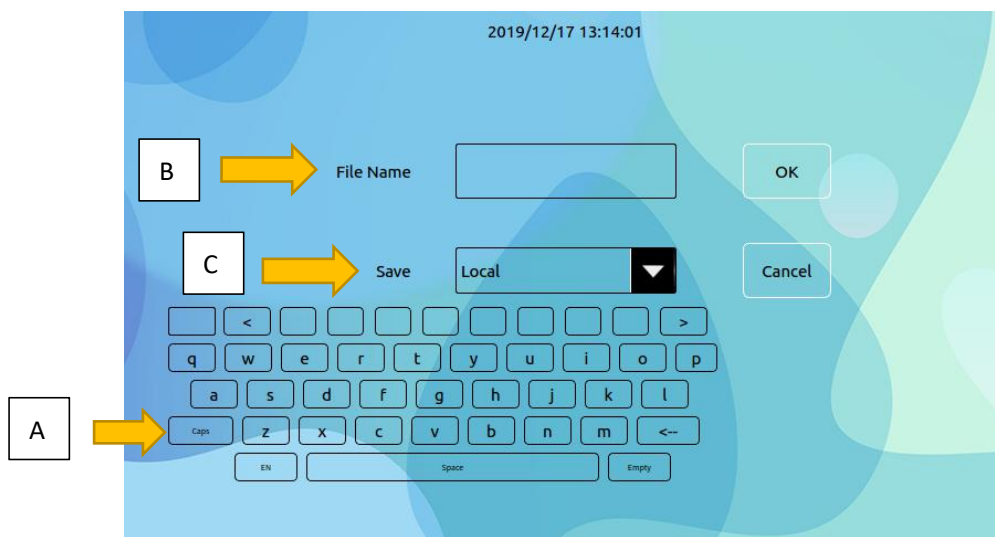
3. Interface

3.1 Main interface



- A:** Editable options, displayed on B when clicked.
- B:** Visual window, the displayed content is the marked content.
- C:** System date and time.
- D:** Keyboard.
- E:** Parameter adjustment.
- F:** System settings.

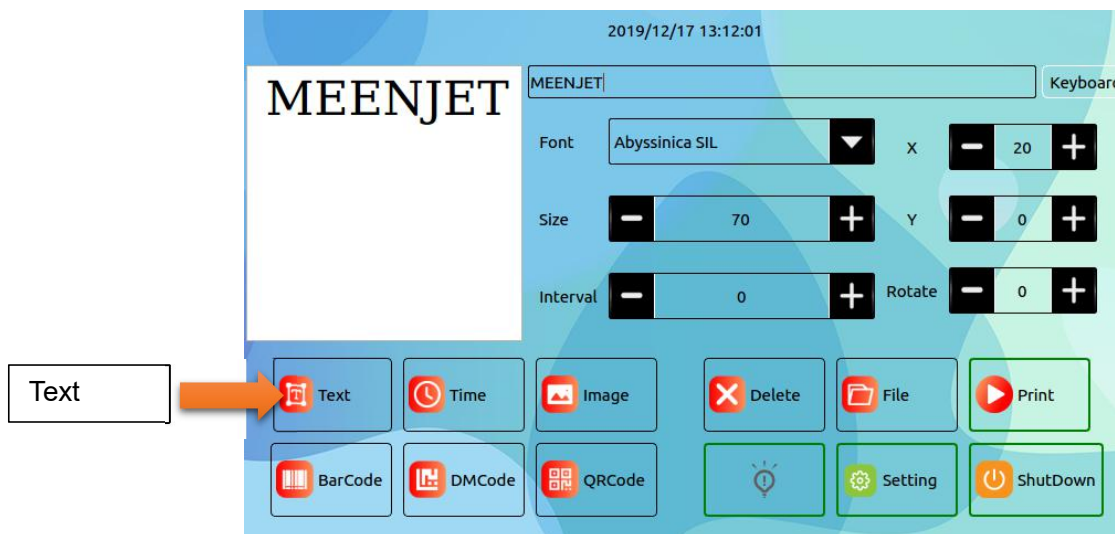
3.2 File save interface



- A:** Keyboard
- B:** File name
- C:** Save location

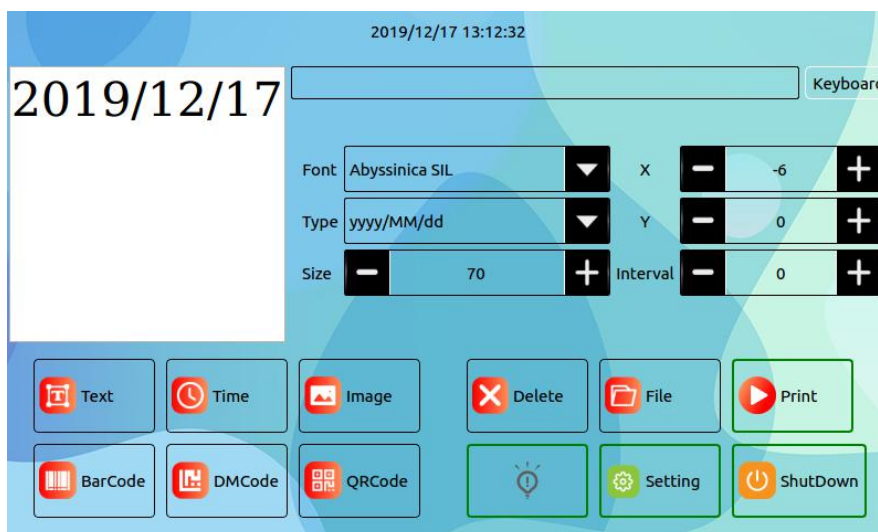
4. File Management

4.1 Input text



Click Text → keyboard to input Chinese (CN), English (EN), number or symbol → press Edit → click Empty → input the information you need → Finish → adjust the font, size as needed → move the information in the center of the white blank → File → Save or Save As → input the file name → OK. The editing is complete.

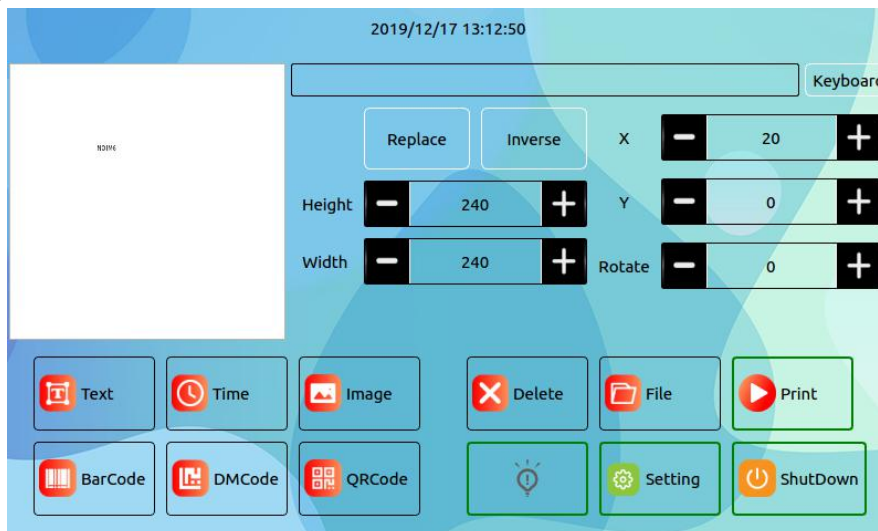
4.2 Input date and time



Click Time (windows will pop up system time) → click User-defined to set time format as need → OK → File → Save or Save As.

Note: click Type to choose quick set time format

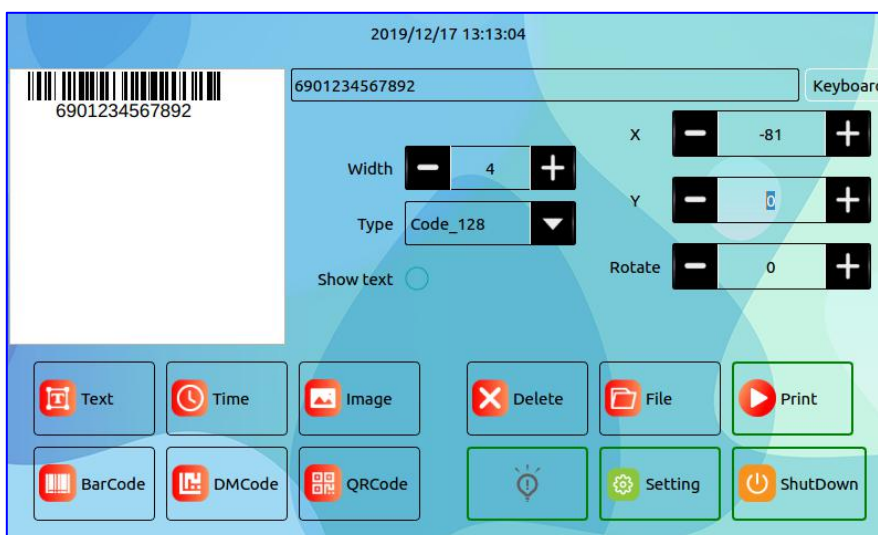
4.3 Input logo



(Insert U disk) Click Image → Replace → U disk → select file → copy to local → local file (select the file copied to the previous step) → "OK" → The window will display the selected picture → formatting is completed as required. Or use Save As to change the file name.

Picture should be saved as monochrome BMP in computer before transferred to machine, and adjust vertical height pixels to 300. Picture should be named as number or English letter.

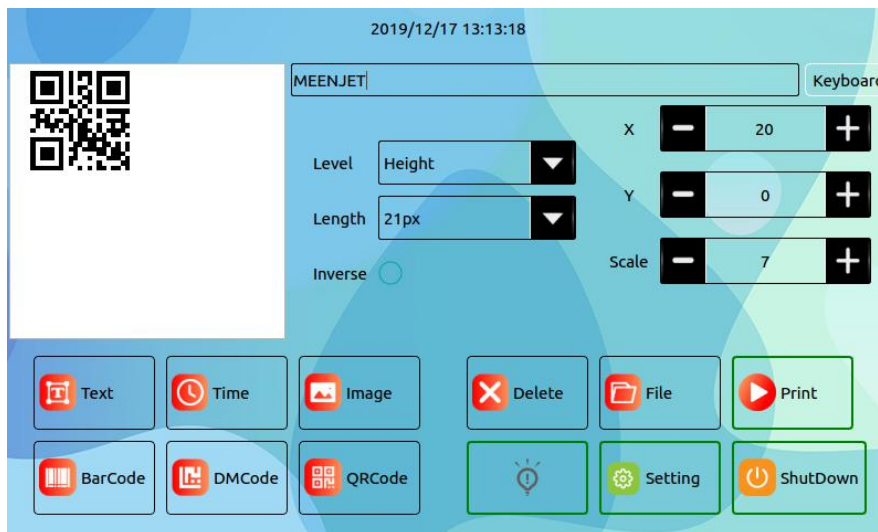
4.4 Input bar code



Click "Barcode" → the window will display the default barcode → Keyboard → Empty → enter the required information → Finish → File" → Save → enter a file name, select a save location, and click OK.

Note: Barcode cannot use Chinese information

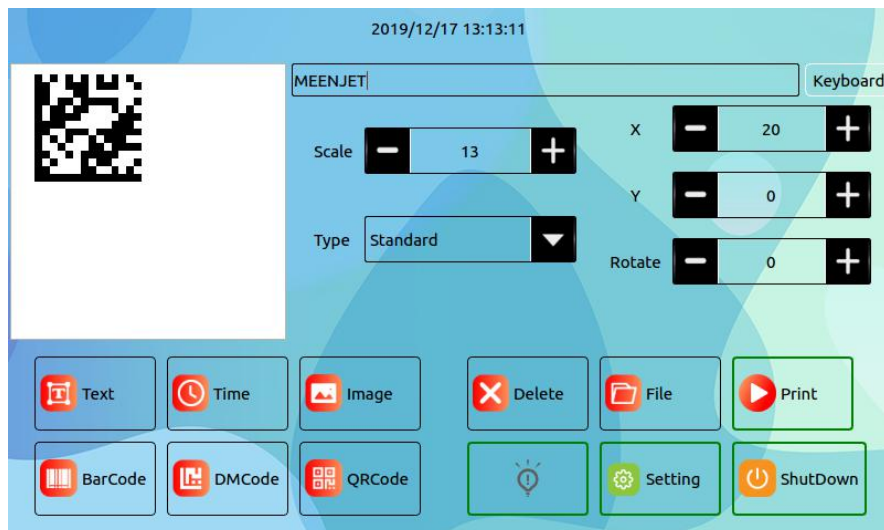
4.5 Input QR code



Edit QR code (two-dimensional code) Click "two-dimensional code" → white window will display the default two-dimensional code → "keyboard" → "clear" → enter the required information → "finish" → "file" → "save" → enter File name, select the save location, and click OK.

Note: The size of the QR code can be adjusted by "Scale", and the relation can be adjusted by "Precision".

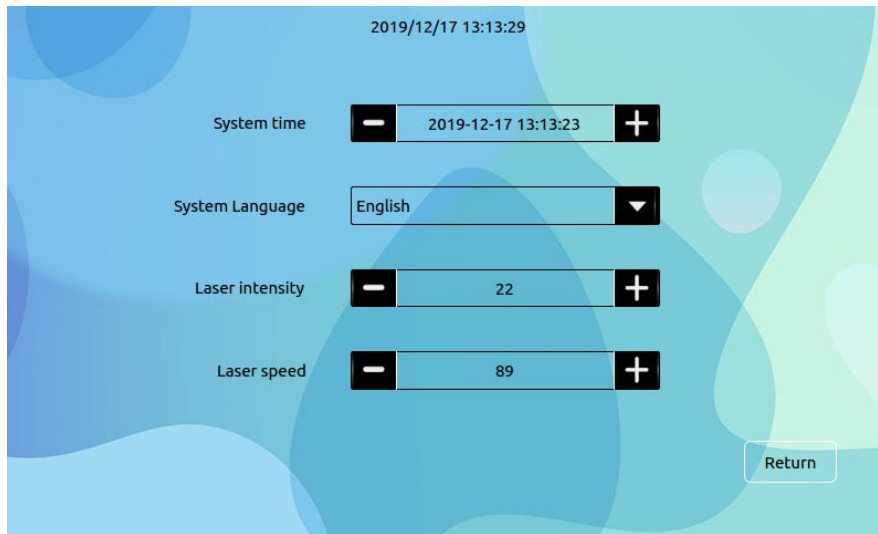
4.6 Input DM code



Click "DM code" → the white window will display the default DM code → "keyboard" → "Clear" → enter the required information → "OK" → "File" → "Save" → enter a file name, select a save location, and click OK.

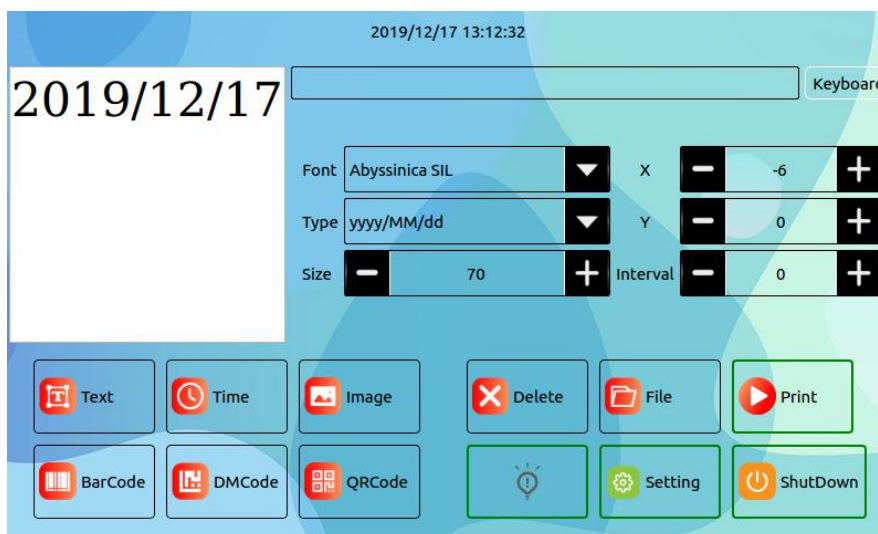
Note: The size of the DM code can be adjusted by "Scale".

5. Settings



1. System time: current date and time.
2. System language: Chinese and English.
3. Laser intensity: adjustable laser intensity.
4. Laser speed: adjustable marking speed.
5. Return: return to home interface and save parameter.

6. Operating Procedures



1. Click "Time" → adjust the format on the right side: save the file, click File → Save. Enter the file name → click "Setting" →adjust Laser Intensity and Laser Speed according to the marking material → Click "Print" →there will be tick sounds → Press the button on the grip → Start engraving. When changing any parameter, be sure to cancel "Printing" first.
2. If you need to preview the marking range, click the bulb icon before pressing the button at the grip, and click again if want to turn it off.

7. Packing List

No.	Item	Quantity
1	Handheld marking machine	1
2	Power adapter	1
3	Spare parts	1
4	User manual	1