ORTUR LASER MASTER 3 – FIRMWARE – LATEST Official 207

Initial Release – 19 June 2022

1. Fix the panic problem caused by telnet stream under WIFI

2. Fix the issue that SPIFFS of WebUI causes firmware panic

3. Improve the reconnection mechanism of WIFI

4. Update the WebUI web page file

205_RC1 - 21 June 2022

1. Improve the lighting indication effect

2. Fix multiple WebUI issues

3. Optimize the execution efficiency of grbl

205_RC2 - 27 June 2022

1. Fix the problem that multiple control channels connected to the machine will cause panic.

2. Add multi-language support and add Chinese language translation

3. Update WebUI version to V1.0.17

4. Fix the crash problem caused by status light

5. Optimize the network distribution and connection stability with the APP

205_RC3 - 28 June 2022

1. Fix the crash caused by the emergency stop switch and the plugging of the power supply.

2. Fixed the software compatibility issue where LightBurn could not unlock overrun and emergency stop.

3. Add Chinese Traditional support.

4. Optimize multiple details.

5. Separate the $22 setting into $22 and $622 instructions to ensure LightBurn compatibility.

6. Fix multiple crash issues.

205_RC4 - 28 June 2022

1. Fix the problem that Sdcard is easily interrupted by other channel errors when printing offline

2. Update WebUI version to V1.0.19

3. Fix translation issues in Chinese Simplified and Chinese Traditional

4. Fix the issue that Sdcard cannot be automatically recovered after IO error

5. Optimize the polling strategy of Stream flow control channel to avoid deadlock

205_RC5 - Recalled

205_RC6 - 28 June 2022

    1. Fix the crash caused by serial port streaming

205_RC7 - 30 June 2022

1. Optimize Chinese, English translation support

2. Optimize the stability of SDcard offline engraving to avoid engraving interruption

3. Fix the file error caused by cache error when FTP and HTTP-UPLOAD upload files.

4. Optimize the polling mechanism of Stream to avoid error '\n' processing and reply to excess ok

5. Close the UART flow channel for debugging to reduce the instability during engraving

6. Update the web logo icon to the mobile APP icon

205_RC8 - 30 June 2022

1. Optimize the policy when the same IP is repeatedly connected to Telnet, close the old connection, and accept the new connection

2. Update WebUI to V1.0.20

205_RC10 - 08 July 2022

1. Added support for OLM_ESP_PRO_V2.4B motherboard, added buzzer, error and emergency stop alarm.

2. Optimize the efficiency of offline sculpting of Sdcard, using separate tasks and ring caches.

3. Use the ULP coprocessor for gyroscope data reading to avoid stuttering and misalignment when engraving offline.

4. Add automatic boot function, enter $611=1 to open, and turn off by default

 5. Optimize the experience during firmware upgrade, and automatically power on after successful upgrade.

6. When the command terminal has an instruction error, it will echo the wrong instruction to facilitate the positioning and debugging of Gcode errors.

7. Optimized the experience of 5 consecutive clicks to enter the SmartConfig (WDS) network configuration mode, and increased the recognizable interval between successive keys.

205_RC11 - 09 July 2022

1. Fix the issue that Homing will be interrupted

2. Fix the problem that it is easy to enter the upgrade mode after booting

3. Optimize the message feedback mechanism when the device is searched, and actively report the status information when it has been connected

4. Simplify the difficulty of entering the SmartConfig (WDS) network distribution mode, and quickly press the power button to start more than 5 times

5. Upgrade WebUI to V1.0.22

205_RC12 - 10 July 2022

1. Fix the issue that WebUI does not automatically restart after upgrading the firmware

2. Fix the issue that USB Disk does not automatically restart after upgrading the firmware

NOTE: Known issue, Homing may fail and block in the home state, requiring a Reset command reply to be sent

205_RC13 - 12 July 2022

1. Fix the issue that Homing will interrupt stopping

2. Fix the problem that the machine will freeze when searching frequently

3. More WebUI to V1.0.23 version, add support for file drag and drop upload

205_RC15 - 12 July 2022

1. Fix the crash caused by memory overflow

205_RC16 - 13 July 2022

1. Fix the problem that the machine automatically shuts down after re-flashing the firmware

2. Fixed the issue that the firmware setting value is incorrect after upgrading

3. Fix the problem that the antivirus software caused the USB communication failure and the machine crashed

4.SD files are engraved offline to ignore the M2 command to avoid cyclic engraving

205_RC17 - 19 July 2022

1. Fix the problem that web printing small files will jump directly to 100% and print failed

2. Modify the drive letter name of the USB upgrade - > OLM3 UPDATE

3. After adding to the SmartConfig (WDS), you can press the button again to exit the network distribution mode (press the key 3 times quickly).

4. Add the setting command $612 to skip web login authentication, set the value to 0 to skip the authentication page

205_RC18 - 19 July 2022

1. Fix the bug that when the web is carved many times, the pop-up window after carving once pops up

2. Fix the issue that putty is downtime when making Telnet connection

3. Fix the bug that tilt detection and acceleration detection cannot be disabled alone

4. Fix the bug that the web upload file progress reaches 100% and the web service crashes

5. Fix the bug that the web service crashes when the web uploads empty files

6. Fix the bug of reporting errors when using undefined buttons on the web

7. Fix the bug that the idle light is abnormal after canceling homing

8. Add FTP username verification function (currently in order to match the existing app, there is currently no blocking anonymous access function).

205_RC19 - 22 July 2022

1. Add the AP connection and jump to the ORTUR WebUI interface

2. Fix the bug that the web service is abnormal when uploading files on the web page to 100%.

3. Fix the problem that the gsensor sensitivity is too low and easy to trigger by mistake

4. Fix the problem that the sculpting progress is abnormal after the vibration detection of the web page is triggered

5. Fix the bug that when the web page is engraved multiple times, the number of engraving times is not correct

6. Added vibration detection to the web page to trigger the pop-up box

7. The web page modifies the offset button to translate to shock

205_RC20 - 29 July 2022

1. Fix the problem that the APP cannot use Chinese path carving

2. Fix the bug of abnormal laser light in M3 mode

3. Unblock the space after the colon in the $I message

4. Fix the bug that when WebUI upgrades the firmware, the firmware update is canceled, and the device is down

5. Add the $613 (read-only) option to see how long the laser lasts

Web is updated to 1.0.25

6. [Web] [Drag Upload] When dragging to overwrite the upload, there is no pop-up window in the file upload

7. [web] [Carving] After the alarm fault occurs in the engraving device, there is no abnormal pop-up window for carving

8. [web] [Engraving] In operation, the restart button in the upper right can be clicked to restart

9. [web] [SD file] increase the sd card capacity color background, resulting in the upload progress and engraving progress of the color also changed

10. [web] [SD file] When the SD card has insufficient memory, there is no similar prompt "SD card space is insufficient, upload failed"

11. [web] [Carving] After the alarm fault occurs in the engraving device, there is no abnormal pop-up window for carving

205_RC21 - 29 July 2022

1. Fix the bug that WebUI uses AP to connect devices to upgrade firmware, and the device goes down

2. Fix the bug that the WIFI information of $74 $75 query after SmartConfig (WDS) is configured is incorrect

3. Fix the bug that connecting the machine ap will cause the machine to go down

4. Fix the bug that WIFI is unsuccessful using web connection

205_RC22 - 03 August 2022

1. Optimized USB sculpting efficiency

2. Fixed the issue that when engraving is offline, engraving will continue after the alarm is lifted

3. Fixed the issue that WebUI upgraded firmware in ap mode, and there was a 50% chance that the upgrade failed

4. Fixed the issue that files larger than 3 Chinese characters could not be deleted

5. Fixed an issue where firmware upgrades could not be performed in AP and sta single mode

205_RC23 - 03 August 2022

1. USB optimization causes Lasergrbl compatibility issues and reverts to the way RC21 is handled

2. Fixed the issue that the web system file failed to upload empty files, and the service crashed

3. Fixed the issue that TMC driver initialization failed with the probability of using a 16G SD card

4. Fixed the bug that the APP could not receive real-time commands when Homing

5. Fixed the bug that after receiving a warning when the APP engraving is offline, the device continues to issue a bug that the engraving is complete

6. Bug fix: After WebUI completes OTA, calling restart() will freeze ($603 $604 vibration test will fail).

205_RC24 - 11 August 2022

1. Fix the problem that WebUI upgrades firmware in ap mode, and there is a 50% chance that the upgrade fails

2. Fix the issue that the web configuration file cannot be read

3. Change the ap name OLM3_AP_XXXX

4. Add web login password to modify the check

5. Fixed the issue that the command could not be executed due to the Lasergrbl exception character (double-clicking the image on the engraved page was invalid).

6. Fixed the issue that Chinese filtering caused real-time instruction exceptions

205_RC25 - 12 August 2022

1. Fixed the antivirus software scanning the USB flash drive causing the engraving to break

2. Fix the name of the USB flash drive to OLM3 XXXX

3. The SD card engraves an abnormal message when it is abnormal

205_RC26 - 12 August 2022

1. Remove the AP connection, WebUI interface OTA upgrade function

2. Added: After the STA is connected, hide the SSID of the AP and turn off the DNS service

205_RC27 - 15 August 2022

1. Fixed the emergency stop after clicking the lasergrbl reset button with a probability of downtime

2. Modify the name format of STA HOST NAME OLM3_STA_xxxx

3. Fixed an issue where there was no AP hostname in the web system setting

4. Fixed the bug that IP mode could not be modified to static (After modifying the static ip, you need to set the gateway subnet mask address correctly and restart the device after modification.）

5. Fixed the issue that after clicking Reset in carving, you need to tap the unlock button twice to unlock it

6. Fixed the issue that after repeatedly setting the $22 command, the device alarm could not be unlocked

205_RC28 - 16 August 2022

1. Fix the downtime of using $WRS during network configuration (network restart is not supported during network configuration).

2. Fixed the issue of multiple clicks on the power button to enter the distribution network downtime

3. Fixed the issue of multiple times clicking the power button in an alarm or error state to down

4. Fixed the issue that after clicking Reset in carving, you need to tap the unlock button twice to unlock it

5. Modify the output format of the setting description command ($HELP settings).

205_RC29 - 18 August 2022

1. Fixed the problem that the output engraving progress was abnormal after the offline engraving alarm was abnormal

2. Fixed the issue that the TCP crash caused by canceling the download or failing to download the FTP file (the app cannot search the device).

3. Fixed the file size is too large, FTP read exception issue (modify the file size data type to long usigned int).

4. Fixed an issue where web $RST=& could not be used

205_RC30 - 26 August 2022

1. Modify the lights and buzzer effects (see lighting description).

2. Add image direct hit function

3. Modify the output format of the setting description command (to fit APP).

4. Modify the size of the OTA virtual USB stick

205_RC31 - 31 August 2022

1. Fix the problem that the sound effect of the upgrade failure is not correct

 2. Add light control, fan control interface

 3. Add safety gate function

205_RC32 - 02 September 2022

1. Add mDNS function

2. Fix the problem that the fan shutdown instruction is abnormal

3. Add $614 Security Gate feature enabled

205_RC33 - 02 September 2022

1. Modification

M12/M13 control lights

M14/M15 control fans

2. Fix the problem that WebUI browsing long folders will cause the device to crash (the current file path cannot exceed 134 characters, and it will not open normally).

 3.The estop button is restored to clear the receive cache

 4. Add a safety door to trigger the rear light (light blue solid on).

205_RC34 - 14 September 2022

Implement the Svalue cluster sculpting mode

205_RC35 - 15 September 2022

1. Optimize the Svalue cluster engraving mode and increase the grayscale map engraving speed

2. Fix the problem that when static IP is connected to STA, the web probability will not be opened

3. Fix the problem that the boot light is not lit when the boot back to zero is off

4. Fixed the issue that the $110 $111 $112 instruction could not modify the engraving maximum speed

5. Modify the laser does not move the exposure time, 10~100S change to 4~30S

205_RC36 - 16 September 2022

1. Fix the problem that the web cannot delete files

2. Automatically resume printing after the safety door is closed

3. Report fan and light status in real-time commands

4. Image Direct Sculpting is added using the Svalue mode (increase S_COUNT to 16).

205_RC37 - 17 September 2022

1. The default rating rate of the laser is modified to 2000hz

2. WebUI adds $180 180 182 settings

206 Initial Release - 20 September 2022

1.$61 defaults to 1, and the security gate does not trigger in the idle state

2. Fix the problem that the engraving button of WebUI file directory disappears

3. Fix the 100% display error of web upgrade

4. Web check update is used in the official environment, and the $615 command can switch the OTA test environment

5. Fix the Telnet connection, sending $WRS will be down

6. Fix WIFI name and password cannot be set to special characters

7. Block the mDNS service

207_RC2 - 30 September 2022

1. Fixed the Svalue cluster sculpting exception issue

2. Fixed WebUI OTA version judgment issue (using the latest WebUI).

3. Add USBHost and usbcdc switching function (plugging in the USB serial port will delay the recognition time by 5s).

207_RC4 - 10 October 2022

1. Fixed an issue where OTA did not have a light prompt

2. Fix the issue that the SD card size cannot be updated in real time (if you encounter an SD card that cannot be updated, try formatting the SD card).

3. Downtime occurs when the return is blocked during the repair homecoming

4. Fix the machine often report motor drive errors (minimizing the probability of occurrence).

5. Add USB flash drive function (using $F=1:/... nc printable, using $F=1: can query the list of files).

$I add CLUSTER COUNT value output ([CLUSTER:]) and device name abbreviation output ([MODEL:]).

$WI Add a signal quality output

6. Add $$=*75 to query WIFI password plaintext (output format $75*=12345678).

207_RC5 - 12 October 2022
1. Add lighting effect in OTA app mode

2. Fix the problem that the $F query file list is down

3. Add $FMA command (format SD card).

4. Fix the problem that the WebUI OTA query version is not responding

207_RC6 - 14 October 2022
1. Add lighting effect in OTA app mode

2. Fix the problem that the $F query file list is down

3. Add $FMA command (right SD card formatting)

4. Fixed the problem that the WebUI OTA query version was not responding

207_RC7 - 19 October 2022
1. Fixed the bug that the APP FTP upload file was down

207 – LAUNCH OF OFFICIAL RELEASE
1. Fixed the bug that the APP FTP upload file was down

2. Fixed the issue that the file list became blank after uploading files on the APP file management interface

3. Increase TINYUSB task priority 16->24

4. Add timer task stack 2048->4096

EXPERIMENTAL – USE WITH CARE

208_RC1 - 31 October 2022

1. Fix the problem that SDIO type SDcard cannot be recognized

2. Fix the problem that WEB local firmware upgrade can use the firmware of any model

3. Modify the name of the USB OTA drive letter -> xxxx OTA

4. The USBMSC function is turned off by default, and the $616 command is added to control the MSC function on and off (0: off 1: on), and set the subsequent re-plugging and unplugging of the USB cable

5. Add MDNS function, you can use STA hostname to access WebUI

6. Fix the problem that jog/run will crash when entering OTAS

7. The web cancels the system file upload button

8. Fix the problem of crashing when uploading files to SD card using web

9. Chinese translation modification of the setting instructions in the web

208_RC2 – 07 November 2022

1. Add $F=0: $F=1: command to switch working disk

2. Add the command $FWD to query the current working disk

3. Add U disk capacity information to the information output of $FDI

4. Fix the problem that the SD card is not inserted and the U disk will be turned off when it is inserted.

5. SD card is not inserted, U disk is inserted: SD card error will not be reported (light and alarm sound)

6. Fix the problem that the image straight adjustment will be stuck

7. Fix the problem that $F cannot query image files

8. Add detailed replies of errors and warnings (error and warning messages with numbers)

9. Add message list command $EM

10. Fix the problem that files larger than 1.72M cannot be used by usb upgrade

11. Alarm and error code details reply, open or close through $617

208_RC3 – 08 November 2022

1. Fix OTA abnormal problem