

## 3.3.2G

- 23.04.25:
- add FastLED revive and fault display feature
  - improve ESP32 startup time
  - limit ESP32 RMT channels to 6
  - improve counting and display of freezes/delays
  - remove limit ESP32 RMT channels
  - fix bug with wrong send buffer size for SEND\_INPUTS
- Siehe auch die neue Version 3.4.0

## 3.3.2E

- 18.12.24:
- fix issue: "ESP32 and hieroglyphics for MLL time" To-Dos#20
  - reset the ESP32 watchdog while in color-test loop
  - for Pico change DCC\_SIGNAL\_PIN from 22 to 28, DCC\_SIGNAL\_PIN may also be set externally

## 3.3.2C

- 22.09.24:
- Added the "#define USE\_SX\_INTERFACE" line back to modul M06\_Write\_Header. For some readins this line has been removed from 3.3.2 to 3.3.2C. It is important to use Selectrix
  - change to beta 3.3.2C
  - LEDs\_AutoProg.ino: Changed the selectrix pin definitions:
    - #define SX\_SIGNAL\_PIN 13 // 22.09.24: Old: 4
    - #define SX\_CLOCK\_PIN 4 // 22.09.24: Old: 13
 Now they should work with the ESP32 Adapter and the new ESP32 mainboard
  - Attention: With FastLED version 3.4.0 the WS2812 LEDs sometimes flash when quick changes to the locomotive speed are made. With version 3.6.0 and higher this no longer occurs.

## 3.3.2B

- 10.03.24:
- add SI\_LocalVar to predefined system variables
  - add replacement of "\$" in macro arguments
- <https://www.stummiforum.de/t165060f7-MobaLedLib-LEDs-Servos-Sound.html#msg2643729>
- force a rebuild if ALT key is pressed
  - empty compiler cache if last ATmega build failed
- <https://www.stummiforum.de/t222466f195-MobaLedLib-Arduino-Upload-geht-nicht.html#msg2649211>
- import latest version of GetLocalOneDrivePath script from <https://gist.github.com/guwidoe/038398b6be1b16c458365716a921814d>

## 3.3.2A

- 29.12.23:
- keep active sheet on Update\_All\_Start\_LedNr function exit

18.01.24: - new function SafeChDriveAndDir with Additional check for network drives (#11425)  
19.01.24: - improved selection of old prog generator filename when updating to new release/beta  
- add experimental support of LNet for ESP32  
20.01.24: - fix LastFilledRowIn\_ChkAll  
- fix detection of first RGB\_Heartbeat line while import  
- change release to beta 3.3.2A

### 3.2.1A

04.11.22 fix SwitchC issue with ESP32

### 3.2.1B

20.12.22 add missing code for old "slow" build  
21.12.22 fix issue that AVR build fails caused by vbcr in LEDs\_Autoprog.h  
-> replace by vbcrLf

### 3.2.1C

21.12.22 add missing macros InCh\_to\_LocalVar, InCh\_to\_LocalVar1 and Bin\_InCh\_to\_TmpVar1 to sheet Lib\_Macros  
05.01.23 Store\_Status: support SwitchB, extend max. InCnt to 63, check max InCnt, use Set\_Input for SwitchB  
14.01.23 Add macro SingleLedSignal and SingleLedSignalEx

### 3.2.1D

10.03.23 Support of new input type "feedback"  
10.03.23 process CAN messages from ATTiny\_CAN\_GBM module  
10.03.23 new macro include to include excel sub sheets  
10.03.23 experimental support of ProgGenerator stored in a Onedrive folder  
21.03.23 if SEND\_INPUT is enabled also SwitchA, SwitchD and Variable changes are notified  
09.04.23 GEN\_BUTTON\_RELEASE mode are now setable in config sheet  
18.04.23 Finalize include sheet feature  
26.05.23 fix issue that AVR build fails caused by vbcr in LEDs\_Autoprog.h  
-> replace by vbcrLf

### 3.2.1E

18.05.23: - LNet support for Arduino platform added  
13.09.23: - Hardi: Merged Hardis changes for the Word Clock  
Added OutCnt to the MLL Extentions  
Don't generate warning if "Pattern" macro is found  
Added define COPYLED\_OFF and COPYLED\_OFF\_ONCE

### 3.2.1F

15.09.23: - New Macro Set\_LEDNr added  
18.09.23: - New Macro CopyNLEDs added  
20.10.23: - Juergen: fix #10763  
23.10.23: - Juergen: revert one of Hardis changes - fixes problem #10 reported by Nessie

### 3.2.1H

29.11.23: - Hardi:New Icons from Michael

### 3.2.1I

30.11.23: - Hardi: Added Juergens changes again

### 3.2.1J

04.11.23: - Juergen: fix #10159 - fastbuild.cmd has wrong Unix line ending  
04.12.23: - Juergen ensure that included sheet uses same protocol as the main sheet  
09.12.23: - Juergen add experimental support of ATmega328PB  
- enable bootloader update without need to set jumpers  
(Mainboard version >= 1.8.2)

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