Thank you for using our CTOUCH Products!

Below you will find the improvements and changes we made in the firmware. If you have any suggestions, found a bug or want to inform us about how we can make our displays even better, please send an e-mail to pm@ctouch.eu

WARNING: You need to use the correct firmware-version in order to prevent damage to your display. You can also use the OTA-update method to update your display. Please look at support.ctouch.eu for more information.

OTA Update: It may happen that two notifications will appear. One of the notifications is for the firmware update of the display. The other notification will be for the update of the UP-Android module. Please make sure you update both, in order to update the whole system.
NOTE: A LAN-connection is required to update the display via OTA. If you do not have a LAN-cable available, you can update the display by using a USB device. Please contact your dealer for the USB update method firmware file.

Release notes Laser Nova

FIRMWARE (2021/08)
- **UP-Android Module: 1064**
  - Fixed discrepancy between OTA firmware Mainboard and Up-Android Module
  - Fixed a Norwegian translation bug.
  - Added several security improvements.
  - Changed default OTA URL.
- **Mainboard: 1035**
  - Fixed locked Favorite apps per app issue in firmware 1033.
  - Added PIN code for Dealer Menu.
  - Added control LAN connections within the display.
  - Added Lock Favorite apps per app, to block specific apps.
  - Added automatic switch back to home option, after disconnecting external devices.
  - Changed default OTA URL.

Rolled back to FIRMWARE (2020/01)
- **UP-Android Module: 1056**
  - Do to discrepancy between OTA firmware Mainboard and Up-Android Module
  - Do to Mirropop / eShare Airplay conflict.
- **Mainboard: 1032**
  - Do to locked Favorite apps per app after upgrade.

FIRMWARE (2021/04)
- **UP-Android Module: 1062**
  - Fixed a Norwegian translation bug.
  - Added several security improvements.
  - Added Lock Favorite apps per app, to block specific apps.
  - Changed default OTA URL.
- **Mainboard: 1033**
  - Added PIN code for Dealer Menu.
  - Added control LAN connections within the display.
  - Added Lock Favorite apps per app, to block specific apps.
  - Added automatic switch back to home option, after disconnecting external devices.
  - Changed default OTA URL.

FIRMWARE (2020/01)
- **UP-Android Module: 1056**
    - Security patch level updated to October 2019.

FIRMWARE (2019/12)
- **UP-Android Module: 1055**
    - Added improved MirrorOp apk (1.0.0.10).
    - Added improved Aqua Mail apk.
    - Added white paper in annotation app.

FIRMWARE (2019/10)
- **Mainboard: 1032**
    - Fixed some system bugs. (Sky related)

FIRMWARE (2019/08)
- **UP-Android Module: 1048**
    - Fixed lock favourite apps bug.
    - Added extra OTA function:
        - On = No OTA pop up visible but it can still be started manually.
        - Off = No OTA pop up visible and it cannot be started manually.
        - Auto = OTA pop up visible and it can also be started manually.

- **Mainboard: 1031**
    - Added new info system page.
        - Press the OK button of the remote control for 5 seconds.
    - Added set maximum volume function in Dealer Menu.
    - Added extra OTA function:
        - On = No OTA pop up but still manual OTA possible.
        - Off = No OTA pop up and no manual OTA possible.
        - Auto = OTA pop up and manual OTA possible.
    - Improved Dutch and English language.
    - Improved the backlight mute function.
    - Improved the colour of hidden Float Bar Icons.
    - Improved (linguistic and functional) functions in Dealer Menu.
    - Fixed VGA buzz.
    - Fixed wallpaper no input channel from external device.

FIRMWARE (2019/03)
- **UP-Android Module: 1038**
    - Fixed: Looses wallpaper after stand-by on/off.
    - Improved text on OTA page of RK module.
    - Improved 'Clear All option' icon.
    - Fixed minor bugs.

FIRMWARE (2019/01)
- **Mainboard: 1029**
    - Added Blue Light Filter.
    - Added Dynamic Contrast Setting (5000:1).
    - Added new timer function - Sunday till Thursday.
    - Added OTA function for MCU, HDMI & touch frame firmware.
    - Added extract/insert Dealer Menu & Display Menu settings.

- Only possible when both displays have the same FW-version.
  - o Changed COS^{tm} icon in Source Bar.
  - o Fixed minor bugs.

FIRMWARE (2019/01)
- **Mainboard: 1026a**
  - o Added functions to prepare for next firmware version.
    - As some preparations need to be made for the next firmware version which holds major improvements. the display will ask to install new firmware twice. Please install both to be sure you will have the latest firmware on your display.

FIRMWARE (2018/11)
- **UP-Android Module: 1032**
  - o Added improved MirrorOp apk (1.0.0.5).
  - o Fixed minor bugs.

FIRMWARE (2018/08)
- **UP-Android Module: 1029**
  - o Added improved MirrorOp apk (1.0.0.4).
  - o Fixed minor bugs.

FIRMWARE (2018/07)
- **Mainboard: Initial firmware 1026**
- **UP-Android Module: Initial firmware 1026**