

Kanardia d.o.o.
Lopata 24a
3000 Celje
Slovenia

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Date: 5.3.2018
Product: Horis 80
Subject: Mandatory software update

1. Effectivity

All Horis 80 mm instruments with software 3.0 or 3.1 installed.

2. Purpose

Update to version 3.2

3. Background

When last Horis 80 PCB series were produced, memory chips that were used previously on Horis became obsolete. They were replaced by a different chip, which should be fully compatible. However, some customers reported sporadic instrument malfunctions. The problem appears seldom and it is almost impossible to repeat. A detailed analysis guided us to this chip replacement problem.

Solution: A different chip initialization procedure performed in software solved the problem.

4. Compliance

As soon as possible.
Horis 80 must be considered as a faulty until the update.

5. Instructions

Software in Horis 80 can be updated:

- by factory (Kanardia d.o.o.),
- by sales representatives that are equipped with “Blu” device,
- by our personnel during AERO 2018 (Friedrichshafen) show and during LAA Rally 2018.

Equipment needed

- “Blu” - bluetooth CAN interface plug,
- Android telephone/tablet with android version 4.4 or later.
- “Kanja” application installed on the Android device. Installation instruction for Kanja are provided in a separate document.

Downloading Latest Firmware to Android Device

- Activate Kanja app on the Android device. Make sure that Internet connection is active.
- Select toolbox icon on Kanja and then select “Download firmware” option. This will copy latest firmware from our server to Android device. The copying is typically done within one second.

Updating Horis Firmware

- Plug “Blu” device into Horis CAN bus port. Blue led will be flashing.
- Start “Kanja” on the Android device (if not already running).
- Press “Connect” to connect to “Blu”. Blue led will glow and red led will be flashing.
- A list of connected devices will be shown. Select “Horis”.
- Another list of commands appear. Select “Update”. This will send new firmware to Horis.
- If update fails to complete for some reason, close Kanja app and unplug “Blu”. Then plug “Blu” and start Kanja again.

Check Software Version in Horis

- Push and hold the knob to open the menu.
- Select the “Settings” item from the menu.
- Select “About”. A window will open and on this window and you should read SW version 3.2 or higher.

6. Additional Instructions

- A. Weight and Balance: Not affected.
- B. Manual: Not affected
- C. Repetitive Inspections: Not required
- D. Continuing Maintenance: Not required.

Appendix

Please refer also to the “BLU and Kanja User’s Manual”.

To access the manual:

- Open www.kanardia.eu web page.
- Select “Support” menu and
- Select “Manuals” submenu.
- Download “BLU and KANJA User Manual”.