

# Product Upgrade Notification

October 2016



Dear Partners,

Affected products:

- **USB Handset Modules**

(Ordering Codes TM-Hxx-xxx)

All variants of the module (Add-On and Stand-Alone, with or without HID Telephony Interface, with or without Dial-Pad ...) have been redesigned to provide for the following new features:

**1. Software adjustable microphone preamplifier**

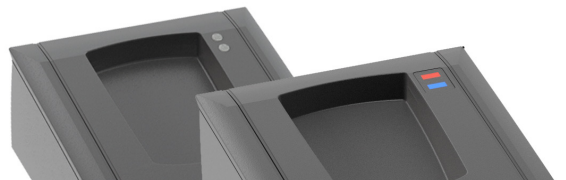
A linear Programmable Gain Amplifier (PGA) has been added to the microphone input to facilitate its fine sensitivity tuning. Differential inputs of the PGA further improve immunity to external electromagnetic noise.

**2. Optional linear regime of the microphone amplifier**

Default logarithmic mode ensures highest voice dynamics and best signal clarity. A linear regime is optionally available for those who prefer naturalness over clarity.

**3. Improved LED indication**

New design of the indicators enables better visibility thanks to their higher luminance and wider viewing angle.



The existing functionality has been completely preserved and the backward compatibility provided for.

The phasing-in process is about to be started while the transition is expected to be completed within the next couple of months.

It is going to be entirely seamless to the customers, both logistically (same ordering codes) and commercially (same prices).

In case of any related questions, please feel free to contact us at [sales@tipro.si](mailto:sales@tipro.si)

Sincerely,  
Tipro Marketing & Sales