

GENERAL INFORMATION

This document describes the main changes made to DUO, FUSION and CUBE firmware according to the device versions launched. These changes are bug fixes or new features.

The upgrade from one version to another is recommended and some new features are optional. For more information, please contact your sales representative or send a request to the Technical Support: 01db.support@acoem.com.

OFFICIAL VERSIONS

This table summarizes the official released versions and the oldest supported version by 01dB:

Description	Numéro de Version
Latest official released version	1.88/2.35
Oldest supported version	1.05/1.02

UPDATE VERSION 1.88/2.35

- New features
 - Display of optional levels either in absolute or in dB in ISO 2631-89
 - Push CSV can be activated from the menu, removal of the http activation command
 - Date reminder inside CSV file
 - Sending of HTTP trigger command to another device DUO, FUSION, CUBE or ORION
 - Reception of HTTP trigger command from another device DUO, FUSION, CUBE or ORION
- Improvements
 - Synchronization of ARM processor time and measurement clock time (GPS or NTP synchronized) every day at midnight (avoids progressive desynchronization and sudden resynchronization after a reboot)
 - Correct consideration of the VDV periods of the BS6472 standard

UPDATE VERSION 1.81/2.34

- User defined base curves ISO2631-1989:
 - correction allowing the storage of all the values
 - minimum admissible threshold between 0.00001 and 1 m / s²

UPDATE VERSION 1.80/2.34

- Occupants standards ISO 2631-2 1989 and 2003: Aw (effective weighted acceleration); Awpeak (weighted peak acceleration); Av (combined acceleration); An (n 1/3 oct RMS spectral band (n = 1; 315)); A * (recomposed acceleration); MTVV (maximum of the transient vibration updated at each Tj since the start of the campaign)
- Optimization of priority management for improvement of storage process
- Unique continuous / transient signal type detection method for Building and Occupants standards
- Compatible dBTrait version: 6.2

UPDATE VERSION 1.61/2.18

- Occupant module DIN 4150-2: KBFT (Maximum weighted vibration per period T); KBFTm (RMS weighted vibration severity) and KBFTr (Evaluation vibration severity)
- Stabilization time increased from 10 sec to 45 sec
- Update of Wi-Fi driver to prevent KRACK attack

UPDATE VERSION 1.52/2.12

- Limitation on the measurement sessions list displayed to the last 500 campaigns
- Limitation to 1520 characters of the message included in an SMS
- Minimum PPV value for the calculation of the dominant frequency set at 0.35 mm/s
- Suppression of the alarm detection on event for any trigger whose dominant frequency is ≤ 1 Hz
- Correction of artefacts due to pyroelectric effect of the sensor on Tj values only for a dominant frequency ≤ 1.2 Hz (the values at Ti as well as the recorded signal are not corrected)
- Do not allow setting 00h:00 for a start period of VDV and Lp
- Default VDV and Lp start time period fixed at 08h:00

UPDATE VERSION 1.50/2.02

- Occupant module: BS 6472-1: VDV (Vibration Dose Value) and Lp (equivalent reradiated noise level)
- Enhanced SMS information on events functions: information on exceeded threshold values and measured values when exceeded
 - Added level [%] to send SMS if the measured level exceeds X% of the tolerance corresponding to the specified standards (X between 10 and 99%)
 - Add warning alarms in SOH
 - HTTP commands modified: GetConfiguration.asp and GetRealtimeTjValues.asp
 - No reconfiguration of the Wi-Fi if not modified in the network settings

UPDATE VERSION 1.07/1.12

- SOH conditioned to the push data license
- Standard BS7385-2 becomes BS5228-2
- 1 second sync offset correction
- Ability to change language during measurement
- Renewing the Ethernet ip if DHCP and no IP received after one minute
- Modem wake-up at the time of push on open campaigns
- If time sync information difference is $< 2s$, no action on NTP synchro
- Keypad lock reactivated on reboot
- Switch off protection in the HMI during acquisition
- PPS synchro correction
- Correction of time reporting in campaign names at summer / winter time change
- No more possibility to have multiple web HMIs in parallel
- No loss of internal sensor sensitivity after reset to factory settings

INITIAL VERSION 1.05/1.02

- Initial version