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MEDIBUS communication settings for the Evita V600/V800 and Babylog VN600/VN800 – Status January 2021

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Dear Sir or Madam,

In the course of our post market surveillance activities we became aware of communication interruptions between the above-mentioned ventilators and connected devices e.g. patient monitoring systems via the MEDIBUS protocol during regular use. Therefore, we would like to briefly explain the setting recommendations in this letter. Three different communication protocols are implemented in the Evita V600/V800 and Babylog VN600/800 ventilators:

- **MEDIBUS.X:** Select this protocol if the interface partner, for its part, has already implemented a driver for compatibility with the new ventilators. If implemented, the interface partner displays Evita V600/V800 or Babylog VN600/VN800 as ventilator name. The parameters are transmitted according to the MEDIBUS.X Profile Definition.
- **MED.X Comp:** Select this protocol if the interface partner supports MEDIBUS.X but its driver has not yet been updated but supports the ventilators Evita V300/V500 and Babylog VN500. If implemented, the interface partner displays Evita V300/V500 or Babylog VN500 as ventilator name. This protocol has been implemented to ensure interoperability until respective interface partners have updated the corresponding drivers. The parameters are transmitted according to the MEDIBUS.X Profile Definition.
- **MEDIBUS:** Select this protocol if the interface partner has implemented the MEDIBUS protocol but does not support MEDIBUS.X. If implemented, the interface partner displays Evita V300/V500 or Babylog VN500 as ventilator name. The parameters are transmitted according to the MEDIBUS Software Protocol.

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The following interface configuration is recommended for the Evita V600/V800 and Babylog VN600/VN800 ventilators:

	Evita V600/800 and Babylog VN600/800	Interface partner
COM port	No restrictions	Ensure that the COM port configured in the driver corresponds to the physical COM port the ventilator is connected to.
Protocol	MEDIBUS.X The driver of the interface partner must support Evita V600/800 and Babylog VN600/800.	MEDIBUS.X
	MED.X.Comp The driver of the interface partner is not yet updated but must support MEDIBUS.X for Evita Infinity V500, Evita V300 and Babylog VN500.	MEDIBUS.X
Baud rate	19200 (or higher) Must equal setting on interface partner	19200 (or higher) Must equal setting on ventilator
Data bit	Cannot be set	8
Parity	None No other parity setting supported yet.	None
Stop bit	Cannot be set	1



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