

MACHINE-TO-MACHINE

Wireless CAN bridge

The CAN-Sync wireless CAN bridge from Humanistic Robotics (HRI) allows the user to transmit CAN data wirelessly over a transparent point-to-point bridge, without modifying the data. J1939 and CANopen are supported.



*HRI's CAN-Sync wireless CAN bridge is a rugged, long-range solution for wireless CAN bridging and E-Stop bridging between systems
(Photo: Humanistic Robotics)*

The product provides a wireless link between any two CAN interfaces with HRI's Safetysense technology which is designed to ensure that critical control messages - like emergency stop signals - always find their intended recipient. Ideal for autonomous systems, fixed machinery, and heavy equipment applications such as forestry machines, CAN-Sync delivers long-range communication along with unparalleled safety features.

The device supports any CAN standard, such as J1939 or CANopen, and is capable of achieving several miles of range in the right conditions. It also has dual Emergency Stop inputs and outputs, meaning fixed E-Stops can be wired into the system, and dual E-Stop outputs can be enabled on either end of the bridge.

The CAN-Sync system is one of the configuration options for HRI's Vehicle Safety Controller (VSC) where two VSC devices are combined as a CAN bridge system. In addition to its CAN bridge function, the VSC device can also serve as an e-stop bridge.

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