

## Wireless motor communications really makes sense



We Humans mostly move around freely and use wireless communications like speech and sight!

We wouldn't want to be wired up. How about using electrical motors in a similar way?

For many applications, wireless communications is superior to cabled solutions.

The latest wireless communications interface module from JVL, the MAC00-FZ4, provides a highly energy efficient, and environmentally friendly option for motor control. It can be used with all JVL integrated servo motors: MAC050-140, MAC400 and MAC800 from 50W to 750W.

The unique features of this wireless interface module are its simplicity in basic setup, the capability to address a large number of motors from one master computer and the option to run mesh networks with the ZigBee protocol on top of the robust radio technology IEEE 802.15.4.

Mesh networks look like a fisherman's net, and allow any node on the network to reach any other node, using other nodes in the network as relay stations. With proper protocols, like ZigBee, the route discovery is automatic – and the network is self-healing in case some nodes fail.

The very low power consumption also makes this technology ideal for battery-powered remote controls, where battery life is measured in years, not simply days or weeks.

For a broader overview of wireless motor interfaces, visit JVL on [www.jvl.dk](http://www.jvl.dk) and read about the many applications, where wireless is the answer when combined with JVL's Distributed Intelligence for significantly improved reliability.

JVL is a world leader in integrated servo- and stepper motors. Their integrated motors are the most compact and versatile on the market today, offering connection to a wide range of bus systems.

For further information, contact: JVL Industri Elektronik A/S, Blokken 42, 3460 Birkerød, Denmark. Tel. +45 4582 4440. E-mail: [jvl@jvl.dk](mailto:jvl@jvl.dk). Web: [www.jvl.dk](http://www.jvl.dk)

