

## Equipment of the HBG 410-RF:

- replaces all functions of the HR 410 from Heidenhain
- 2 additional buttons for further functions, i.e. start/stop
- shock proof and ergonomically designed housing
- 21 channels selectable
- vibration alarm when leaving the active working radius
- charging station controlled by microcontroller running time of accu about 24 hours
- strong magnet on the backside for quick and save positioning

## Additional options of the extended version:

- 2 override pots for i.e. feed and spindle speed
- multifunction display for information of axis position, spindle and feeding speed, ...
- 2 lines with 12 characters each at your free disposal

## Available versions:

- HBG 410-RF STD: standard version plug & play compatible  
HBG 410-RF EXE II: extended version with connecting adaptor for DIN rail mounting, preferred by machine manufacturers

# Wireless hand wheel unit HBG 410-RF for Heidenhain control units TNC 426 and iTNC 530



Hubitron Steuerungstechnik  
Hauptstrasse 4/1 • D-89611 Obermarchtal, Germany  
Tel. +49 (0) 7375/92 20 66 • Fax 92 20 77



## Product overview:

### Wireless hand wheel unit HBG 410-RF



for Heidenhain control units  
easy connection to the Heidenhain  
hand wheel interface  
vibration alarm  
in various versions available

### Wireless hand wheel unit HBG 800-DP



for all control units with Profibus interface,  
i.e. Siemens 810D, 840D etc.  
easy connection to the Profibus interface  
additional encoder output  
vibration alarm

new

### Wireless hand wheel unit HBG 220-RF



useable with all control units  
parallel outputs for each button  
encoder output, analogous output  
up to 7 axis selectable  
status information on the display  
very handy and lightweight  
vibration alarm

new

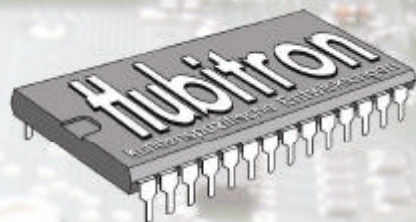
### Ethernet cross switch ECS-100



to switch between Ethernet wires  
especially for teleservice connection  
to machines  
DIN rail mounting

#### further products:

- customer specific user panels
- small control units for stepper motors
- customized control units with microcontrollers  
... see homepage [www.Hubitron.de](http://www.Hubitron.de)



**Hubitron Steuerungstechnik**  
Hauptstrasse 4/1  
D-89611 Obermarchtal  
Germany

Tel. +49(0)7375-92 20 66  
Fax +49(0)7375-92 20 77

[www.Hubitron.de](http://www.Hubitron.de)  
[info@Hubitron.de](mailto:info@Hubitron.de)

- *customer specific development  
hardware and software*
- *operating units and i/o systems*
- *wireless systems (SRD, ISM, ZigBee, ...)*
- *bus systems with CAN, Profibus, RS485, RS232 ...*
- *design of schematic diagrams and pcb layouts*
- *microcontroller development for all applications*

#### **Our cooperations partner for technical support, sales, NC and PLC programming:**

- retrofits for CNC contr. machines
- integration of additional options
- electronical error search
- network and teleservice
- NC seminars
- spare parts
- purchase and sales consulting
- machine retrofitting



INNOTROL GmbH  
Harald Beiter  
Rheinstr. 96, E3  
D-56235 Ransbach-Baumbach

Tel: +49 (0)2623-929490  
Fax: +49 (0)2623-9294928  
E-Mail: [info@innotrol.com](mailto:info@innotrol.com)  
Homepage: [www.innotrol.com](http://www.innotrol.com)