



The receivers (G2, G2S and G3) are inside durable capsules and are built to be weather resistant in order to cope with the toughest and most demanding of environments. The receivers can be used in combinations with all of the hydraulic valves currently available on the market.



G2S is used for complex customer adapted systems where expansion modules can be added including (digital/analogue outputs/inputs, relay outputs, 42-230 VAC and different connection devices).



Scanreco in action



G3 is used for serial communication (for example with: the field bus CANBUS). Other customer adapted interfaces or protocols can be provided on request.

## Developed for demanding environments

Scanreco's system is built and designed for the toughest and most demanding of environments. Scanreco can hereby offer the market of crane and machine operators an extremely easy to use radio remote control retaining speed, precision, and control with the maximum of safety.

Behind the development of the radio remote control systems lies the idea of providing products with a high degree of reliability, user-friendliness, and possessing good ergonomic features.

The product family includes different control units, hand transmitters, and receivers offering a variety of choice depending on the area of use. These products are based on a modular architecture, which makes them extremely flexible to customize and adapt according to the customer's needs.

The products – which are in high demand – are mainly mounted on cranes and mobile machines. Our customers are some of the world's largest and most challenging crane and machinery manufacturers. Thousands of cranes and machines containing Scanreco's radio remote control systems are in use worldwide.

Our products are deployed everywhere, from truck cranes laying heating pipes in Stockholm to lifting oil pipelines in Russia and setting in place concrete sections in Israel.

## Scanreco – freedom in a box

**Our customers development is our own development. This enables us to offer:**

- **Customer-specific solutions**
- **Industrial know-how**
- **Expertise and experience**
- **Innovative capacity**
- **Nimble organisation**
- **Quality**
- **Delivery precision**
- **Service**

**[www.scanreco.se](http://www.scanreco.se)**

**The receivers:**

- The product family includes a choice of different types of receivers which correspond with the application task (G2, G2S and G3).
- The receiver units are designed, manufactured, and tested to withstand extreme environmental conditions such as shock, vibration, electromagnetic disturbances and in additional are moulded against dust, damp, moisture and water.
- The receiver's powerful PLC is supplied and prepared for 2-way direction communication, signal handling of, for example, speed-, ramp-, blocking-, hold-, overload functions, the field bus CANBUS etc. Programming can occur without tools (on-line) or via a PC.
- The receiver's software can be re-configured, which makes them extremely flexible when customizing solution for the end-user.
- The receiver (G2) have 8 proportional functions (voltage, PWM, current, protocol-controlled), 12 output signals, 3 input signals.
- The receiver (G2S) can be expanded, or the functions can be customized for specific tasks.
- The G3-receiver: The number of outputs are limited by the control unit.

**Safety:**

Each radio remote control system functions in all manner of operational conditions equipped with their own unique identity code (ID-code). This means that only the correct control unit can activate and control its matching receiver (crane/machine). For maximum safety the receiver has double processors to enable comparison and checking of the data signals from the control unit. The receiver on the crane operates with a so-called automatic emergency stop, i.e., dump-valve and all of the crane movements are only activated as long as the verified data signals are received from the actual portable control unit. The emergency stop function is in accordance with EN954-1 cat. 3.

**Approvals:**

Scanreco's radio remote control system meets the EU's Machine- and EMC-directive (CE-mark) and is approved and complies with the special demands and standards for "Remote controlled lifting devices" in accordance with 89/336/EEC, EN954-1, EN301489, EN300 220-3, and R&TTE 1999/5/EC. The radio unit is also certified in several countries outside of Europe. Scanreco is additionally certified in accordance with EN ISO9001-2000.

*Applications:*



**Receivers (G2/G2S/G3)**

- **For demanding environments**
- **Built into a robust light-weight plastic chassis.**
- **+12/24 VDC (G2, G2S and G3)**
- **+12/24 VDC or 42-230 VAC world-wide capabilities (G2S)**
- **Reliability**
- **Flexibility**
- **Terminal-connectors**
- **Powerful processors**
- **Great numbers of program features**
- **Ease of access**
- **Standardized cable kits**
- **Service-friendly design**
- **Improved diagnostics**
- **Fault log**
- **Provides the opportunity to replace earlier receiver models from Scanreco.**
- **The recommended control units are: Mini, Maxi, or Handy.**

**Many additional options:**

- **Other frequencies are available on request or to comply with the country's existing regulations.**
- **Tandem operation**
- **Catch-release function**
- **The receivers can be expanded, or the functions can be customized for specific tasks on request**

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