SCANRECO
Radio Remote Control

Instruction Manual

G5 P

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Document information

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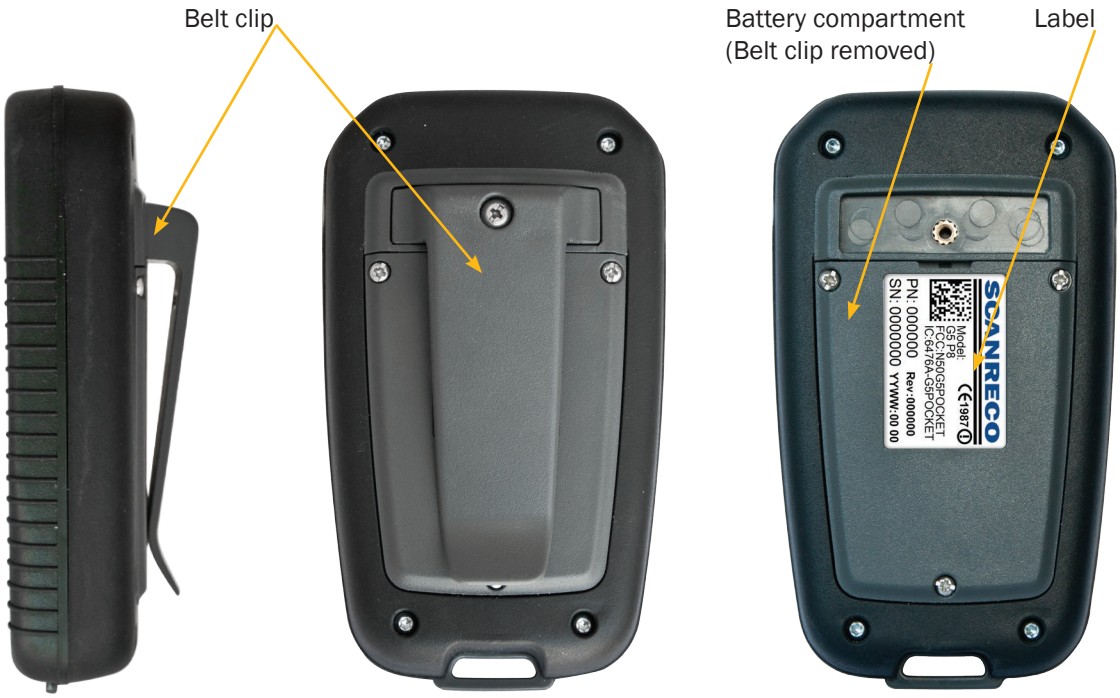
Revision history

Revision	Date	Note
A	2014-02-07	First release

G5 Pocket Transmitter

Product description

The G5 Pocket HCU is a light weight, impact and water resistant handheld unit equipped with up to eight ON/OFF function buttons. It has five configurable Light Emitting Diodes (LED) for machine and status feedback. The buttons and the LED's can be configured for a variety of different operations. The unit is powered with 3 standard AAA batteries and the backside has a belt clip for convenient attachment on the operator's belt.



Versions

The G5 Pocket transmitter exists in the following versions:

G5 P3 G5 P4 G5 P6 G5 P8 G5 P8 G5 P8

Model	Functions
G5 P3	3 Push buttons
G5 P4	4 Push buttons
G5 P6	6 Push buttons
G5 P8	8 Push buttons

The models may have the different printed symbols on the buttons, colors, scripts, pictures etc.

Functionality

The G5 Pocket systems are required to be configured prior to operation but normally this is done already before delivery. The push buttons are easily programmed to activate any output or series of functions. Button definitions include momentary, interlocked, non-latched or latched output.

5.4 Changing battery

The G5 Pocket transmitter is equipped with 3 standard AAA cell batteries; to change batteries follow the instructions below

1. Remove the belt clip by unscrewing the top middle screw.
2. Unscrew the three screws holding the lid.
3. Remove the batteries.
4. Remove all dirt/dust to ensure no water can enter the unit.
5. Insert new batteries, mind the polarity!
6. Reassemble the lid and the belt clip.
   Tighten the screws according to chapter 7.4.

Technical information

Attribute	Information
Housing material	Plastic PC-ABS
IP-class	IP67
Ambient temperature	-25˚C to +70˚C
Supply	3 x AAA battery
Operating time	Several months (depending of usage and application)
Weight	160 g (0,35lb.) including battery

Dimensions:

Size : approx. ~ 115 x 67 x 38 mm
/ ~ 4,5 x 2,6 x 1,5 in.
(incl. belt clip/holder).

Weight: incl. battery: approx.
~ 160 gram / ~ 0.35 lb.

Radio information

The G5 system family incorporates an automated frequency jumping technology, a reliable radio transmission highly resistant to interference.

The radio transmission takes place within the ISM-band used at pre-defined channels.

The channel switching takes place multiple times per second following a pseudorandom sequence. This ensures that transmission takes place on an optimal frequency at all times!

No transmitter uses the same pseudorandom sequence order when switching channels; this minimizes the risk of two G5 systems interfering with each other.
The G5 Pocket is approved to transmit on the ISM band.
The radio is license free for the end user.

Technical information

Attribute	Information
Frequency	2,400 - 2,4835 GHz
Channels management	FHSS DSSS THSS
Channel order	Pseudorandom
Channel capacity	Duplex
System address/ID	<16777216 unique system addresses available
Redundancy	CRC-16
Range	100 meters

FCC information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates,uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada Information

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES-3 (A)/NMB-3(A)

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

When the device is stored on the operators belt it must be shut off. Pressing the buttons and operating the machine while the device is hanging from the belt or any other place it not allowed. It must be held in the hand.

L'antenne (s) utiliseé pour cet émetteur doit être installé pour fournir une distance de séparation d'au moins 20 cm de toute personne et ne doit pas être co-localisées ou opérant en conjonction avec une autre antenne ou émetteur.

Lorsque l'appareil est stocké sur la bande des opérateurs, il doit être arrêté. Appuyant sur les boutons et faire fonctionner la machine alors que l'appareil est accroché à la ceinture ou tout autre lieu il pas permis. Il doit être tenu à la main.

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