SAGA V6 (SAGA1-V6) Wireless Remote Control: Specifications and Wiring

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Specifications (factory data)

Item	Value
Model series	SAGA1-V6 transportation radio system
Kit codes	V6PR-2, V6PR-4, V6PR-6 (handset plus receiver with override pad)
Handset only codes	V6HS-2, V6HS-4, V6HS-6
Handset buttons (6 button model)	6 function buttons, 2 start buttons (A and B), Stop
Receiver relays (6 button model)	8 function relays plus Stop
Relay type	NC/NO on every relay
Frequency band	915 MHz
Receiver supply voltage	10 to 42V DC (runs on 12V and 24V systems)
Handset power	2 x AA batteries (alkaline or Ni-MH rechargeable)
Operating temperature	-40 to +85 degrees C
Reaction time	Under 0.1 second
Antenna	Internal
Power indicator	3 stage LED
Handset size and weight	112mm x 62mm x 39mm, 135g without batteries
Receiver size and weight	130mm x 146mm x 64mm, 490g (525g with override pushbutton panel)
Features	Auto Channel Selection, tool-free pairing of a replacement handset, password power-on mode, PC programmable buttons and frequency, pre-assembled receiver cable, water and dirt resistant casing

Receiver wiring (6 button kit)

Wire	Connects to
1	Main negative
2	Main positive
3	Not used
4	Button 1 output
5	Button 2 output
6	Button 3 output
7	Button 4 output
8	Button 5 output
9	Button 6 output
11	Button A output
12	Button B output

Press A and B together to switch the handset on. Wire A and B as outputs and a 6 button kit runs 8 functions.

Hooking up to valve solenoids

Each DIN (Hirschmann) solenoid plug has two small terminals opposite each other and one larger terminal. Connect a negative wire to one small terminal and the numbered receiver wire to the opposite small terminal. The larger third terminal is not used. Take each plug apart to fit the wiring and drill and grommet any holes you make.

Install notes

Fit an 8 amp fuse in the main positive feed. Mount the receiver under cover and away from wheel spray: moisture is the main thing that shortens the life of any remote receiver. On air-shift valves, fit an air/water separator and regulator in the air line before the valve.