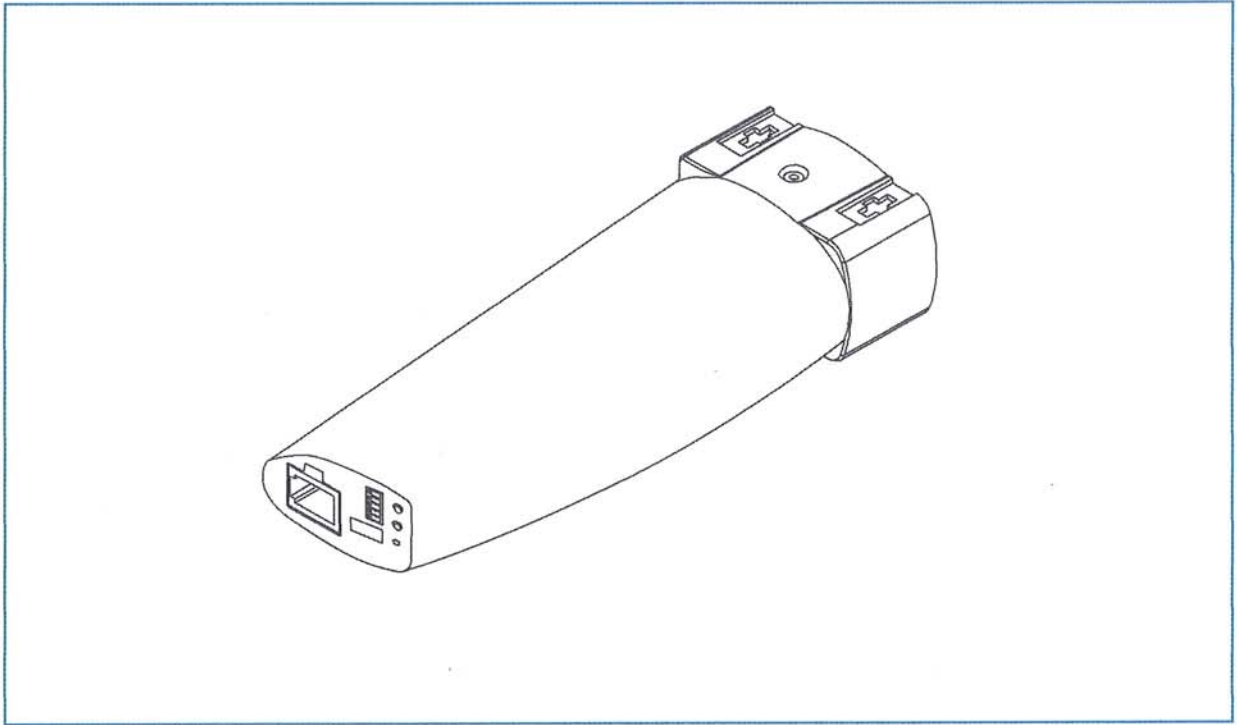


User Manual

April 2007



Motor Silent Gliss 9021R & 9023R
Installation, Programming and Operating Instructions

UK Version

April 2007

Table of Contents

Please read chapters “Intended Application” and “Safety Instructions” in the user manual for the motor, before installing or connecting. Non-observance as well as opening and manipulation of the motor will result in voiding of the Silent Gliss liability and warranty.

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1 General

Silent Gliss 9021R and 9023R curtain track motors can be fitted with an RF receiver module allowing control from the Silent Gliss range of Single or 8 channel RF hand held or wall mounted transmitters. The RF receiver module is factory fitted into the motor mother board and no access or maintenance is required.

The wall switches and hand-held controllers communicate with the modules using coded FM radio control signals.

2 Motor Set-up and Addressing

For power connections and motor button functions please see the manual supplied with the motor. The red DIL switch needs to be set up as 1 ON, 2 ON, 3 OFF for the RF receiver module to work.

Double successive pressing of the open or close commands will send the motor to additional preset positions. For setting these up please see the manual supplied with the motor.

3 RF Controllers Set-up and Addressing

To avoid interference between adjacent rooms of a house and neighbouring houses as well as allowing individual control of separate curtains/blinds within a room, Silent Gliss radio units employ a structured addressing system.

Silent Gliss radio units use a structure based on house, room and channel addresses. Using the two banks of DIL switches on the back of a wall switch or hand held transmitter (see Fig.3) a House address can be selected from one of up to 255 possible addresses and a Room address from one of up to 255 possible addresses.

Please ensure the specification detailed below conforms with the necessary regulations in the intended country of use and the radio frequency is approved for that country.

Note

House 0 is not a valid address and Room 0 is a special address which gives overall control for a whole house. Room 0 should not be selected as a Room address without careful thought regarding the application.

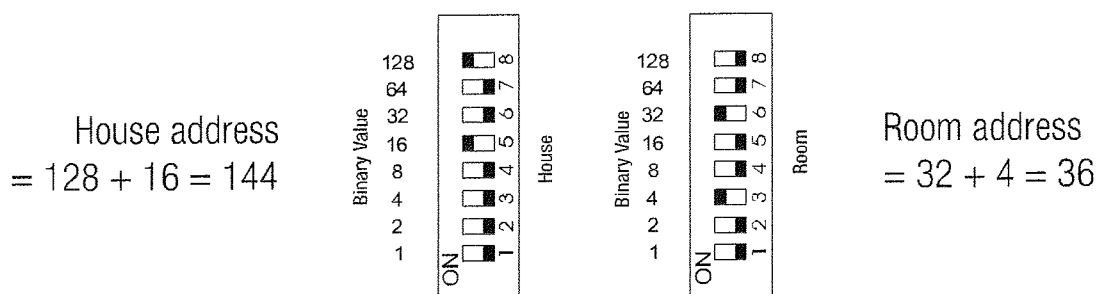
Setting an address is the way in which interference between other Radio Controlled Silent Gliss units is avoided, either with other rooms within your house or neighbouring houses. It should be remembered that a Silent Gliss transmitter may have a range of over 100m.

Silent Gliss controllers come set with a default address of House 1, Room 4, Channel 1 and whilst the unit will function with this address it is strongly advised that a specific and logical address for both House and Room be selected. Units can be given channel addresses from 1-8 allowing control from an 8 channel wall mounted switch or transmitter.

Some advanced grouping arrangements are possible allowing banks of units to be controlled as groups within a room. Systems with advanced programming need to be factory set. For more details contact Silent Gliss.

3.1 Setting an Address

Each Silent Gliss transmitter has two, 8 way banks of switches for setting its address. The two sets of switches allow the user to choose from 255 house addresses and 255 room addresses. To set the address, remove the rear cover (refer to controller manual for details), whereupon the banks of switches will be now become visible. To set an address, use a small terminal screwdriver or similar device and carefully move some of the switches into the 'ON' position. Addressing uses binary encoding and the value of the switches is shown below.



3.2 Addressing Switches

Once the addresses have been set it is strongly recommended to keep a note of the settings and to keep these in safe place. Whilst it is easy to set the addresses, those of the receiver units are normally only set once. To do so requires access to the units and once set these may be installed in inaccessible positions. If, therefore the wall-switch address get changed for any reason and the original settings cannot be remembered then access to the receiver units will be needed for reconfiguration.

3.3 Setting receiver addresses

Once a House and Room number have been selected on a wall switch or transmitter these need to be transmitted to each receiving module along with a valid channel number. This is done by one of two methods using a Silent Gliss wall switch or transmitter. The method varies depending on whether an 8 or single channel version is being used.

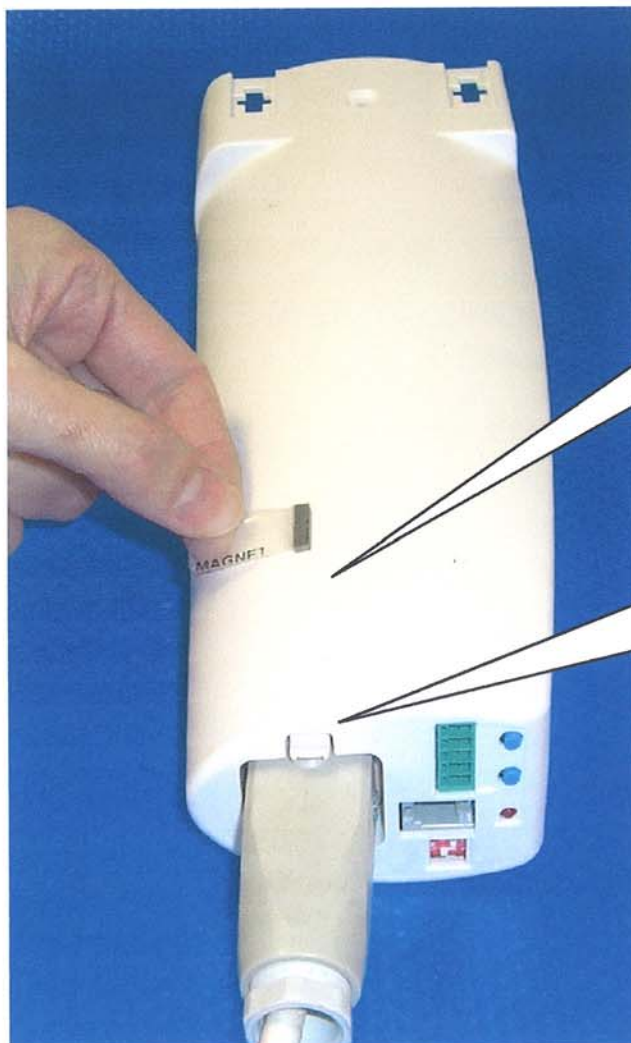
Note

When addressing from a single channel version only channel one can be set. If a single channel controller is being used in the same room as an 8 channel version then it is strongly advised to program using the 8 channel controller.

To send an address to a receiver unit, the unit needs to be put into receive mode. To do this hold the magnet provided against the side casing in the position indicated by the label and as shown below.

3.4 Set-up Magnet Positioning

Once the magnet is in the correct position an internal LED will illuminate. If the magnet is held in position for approximately 5 seconds the LED will start to flash, this flashing indicates that the unit is ready to receive an address from a transmitter.



Magnet position is in line with the plug locating clamp and approximately 5 cm from the base of the motor.

LED indicator is viewed looking into motor at the plug locating clamp.

3.5 Sending address from an 8 channel wall switch/transmitter

From either a Silent Gliss 8 channel wall switch / transmitter (both are functionally identical) press the appropriate channel button with the receiving unit set with the LED flashing. To send Channel addresses 1-4, select the channel by pressing the appropriate channel button and then send the command by pressing the Open button. This action automatically sends the House, Room and selected Channel address. To select addresses 5-8 the 'All' button needs to be pressed (to shift the pad into 5-8 mode) and then send by pressing the Open button. As soon as the receiver gets a valid address it automatically drops out of set-up mode.

Note

If a receiving unit, in set-up mode, does not receive a valid address within 3 minutes the receiver will automatically drop out of set-up mode.

3.6 Sending address from a single channel transmitter

From either a Silent Gliss single channel wall switch or hand-held transmitter (both are functionally identical) press and hold both buttons for 5 seconds. After 5 seconds the unit will automatically send a channel 1 address. The red LED on the transmitter will flash to confirm that this has been sent. As soon as the receiver gets a valid address it automatically drops out of set-up mode.

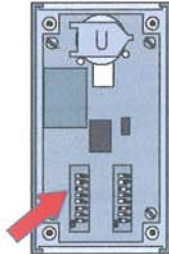
3.7 Reversing the motor direction

Reversing the motor direction can be achieved during addressing using an 8 channel controller. This is simply done on the third press in Step 4 (below) using the closed command instead of the open.

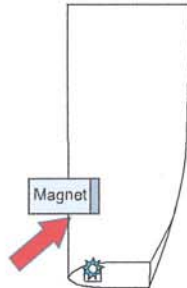
4 Setting an address from an 8 channel controller

Step 1

Set address switches on controller



Step 2



Hold magnet against casing until LED illuminates

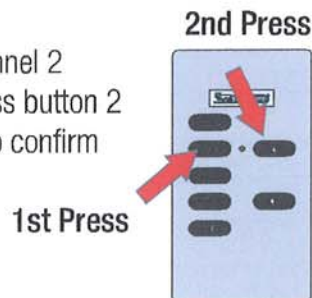
Step 3



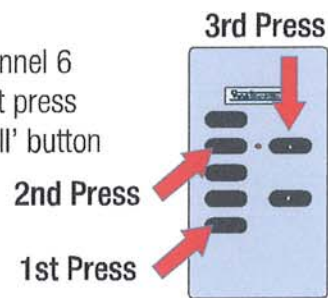
Remove magnet when LED starts to flash
Module is now in set-up mode

Step 4

To send Channel 2 address, press button 2
Then Open to confirm



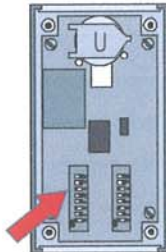
To send Channel 6 address, first press
3rd Press 'All' button
and then
button 2/ 6.
Then Open
to confirm



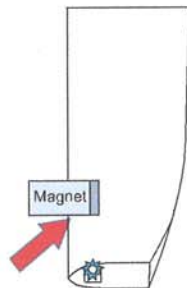
5 Setting an address from a single channel controller

Step 1

Set address switches on controller



Step 2



Hold magnet against casing until LED illuminates

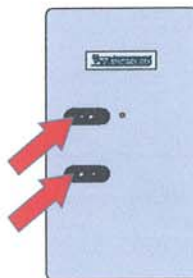
Step 3



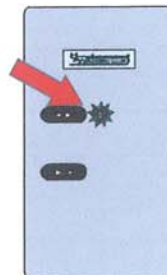
Remove magnet when LED starts to flash
Module is now in set-up mode

Step 4

Press and hold both buttons for 5 seconds



LED flashes to confirm address command is send



6 Operation

6.1 8 Channel Transmitters

To control a Silent Gliss curtain/blind unit from a transmitter select the channel to be controlled by pressing the appropriate button and then pressing either the open or close buttons. To control channels 5-8 then use the 'All' button to shift the button pad so that pressing button 1/5 selects channel 5 and so on.

To control all of the channels together press the 'All' button and then either the open or close buttons.

6.2 Single Channel Transmitters

2 button transmitters only allow simultaneous control of all channels in a room.

7 Troubleshooting

Transmitter is working and receiver light is on but the system doesn't work

- *Reset the unit using the magnet.*

Transmitter is working but the receiver light is flashing:

- *Reset the unit as above.*

There's no light from the transmitter

- *Check the batteries.*

There's no signal:

- *Check the power supply.*