

## Configuration of the Outputs of the control relays

File `/etc/rc.local` Edit the file with the command (Add this code at the end of the file just BEFORE "exit 0")

```
sudo nano /etc/rc.local
```

```
#RELAYS OUTPUTS
echo "20" > /sys/class/gpio/export &
sleep 2
echo out > /sys/class/gpio/gpio20/direction
echo "21" > /sys/class/gpio/export &
sleep 2
echo out > /sys/class/gpio/gpio21/direction
echo "22" > /sys/class/gpio/export &
sleep 2
echo out > /sys/class/gpio/gpio22/direction
echo "23" > /sys/class/gpio/export &
sleep 2
echo out > /sys/class/gpio/gpio23/direction
```

## Tests of the Outputs of the control relays

You can verify the correct functioning of the outputs of the relays with the following code

```
sudo nano test-relays.sh
```

test-relays.sh

```
#!/bin/bash
# Sequence of testing the 4 relays

for i in `seq 20 23`;
do
    echo 1 > /sys/class/gpio/gpio$i/value
    sleep 1
done
for i in `seq 20 23`;
do
    echo > /sys/class/gpio/gpio$i/value
    sleep 1
done

for i in `seq 20 23`;
do
```

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        echo 1 > /sys/class/gpio/gpio$i/value
    done
sleep 1
for i in `seq 20 23`;
do
    echo > /sys/class/gpio/gpio$i/value
done
```

For running the code

```
sudo python test-relays.sh
```

```
root@f5uui-serveur:/var/www/dwiki/data/pages/en# cp essais_des_sorties_relais.txt
/tmp/essais_des_sorties_relais.txt root@f5uui-serveur:/var/www/dwiki/data/pages/en# cat
/tmp/essais_des_sorties_relais.txt
```

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For running the code

```
sudo python test-relays.sh
```



## Video

From:

<http://svxcard.f5uui.net/> - **SVXLink Card**

Permanent link:

[http://svxcard.f5uui.net/doku.php?id=en:essais\\_des\\_sorties\\_relais](http://svxcard.f5uui.net/doku.php?id=en:essais_des_sorties_relais)

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