Déclic.
TÉLÉCOMMANDE

DOCUMENTATION TECHNIQUE

# JANE Kit Récepteur + 5 JANE F

Retrouvez les instructions, schémas et réglages de votre équipement dans les pages suivantes.

## Avant toute manipulation

Vérifiez la référence exacte de votre appareil. Les instructions techniques et les avertissements du fabricant restent prioritaires. En cas de doute ou pour une intervention électrique, faites appel à un professionnel qualifié.

**Une question sur votre référence ?**

declictelecommande.com/contact

Document distribué par Déclic Télécommande.
Les marques et références des fabricants sont conservées dans la notice.

| Max. Permissible Values | |
|---|---|
| Supply Voltage | 33VAC / 35VDC |
| RF Input | + 20 dBm |
| GND voltage of output pins | 120V |
| Storage temperature | - 40 / + 100 °C |
| Operating temperature | - 20 / + 70 °C |

**Electrical characteristics at 25 °C:**

| Parameter | Min | Typical | Max | Unit | Notes |
|---|---|---|---|---|---|
| Supply Voltage (VDC) | 12 | - | 30 | volts | - |
| Supply Voltage (VAC) | 12 | - | 28 | volts | - |
| Absorbed current (receive only) | - | 11 | - | mA | - |
| Absorbed current (1 active channel) | - | 25 | - | mA | - |
| Absorbed current (2 active channels) | - | 36 | - | mA | - |
| Centre frequency | - | 433.92 | - | MHz | - |
| Sensitivity | - | -105 | - | dBm | Note 1 |
| Passband RF – 3dB | - | +- 100 | - | kHz | - |
| Spurious aerial signals | - | - | -60 | dBm | - |
| Switch on time | - | - | 2.8 | S | Note 2 |
| Command implementation time | - | - | 0.5 | S | Note 3 |
| Max. contact output VDC | - | - | 1A 24V | Amp vdc | - |
| Max. contact output VAC | - | - | 1A 120V | Amp vac | - |

**Note 1**: measurement carried out with 100% AM modulated signal, square wave, at frequency 1 kHz
**Note 2**: time period between switching on and reception of a valid sequence of data
**Note 3**: time period between command transmission (remote control button press) and its implementation (relay trip)
**Note 4**: all measurements relating to the RF parameters are valid with the 3 pin connected to a source or load impedance of 50 ohms

Patented product
ITALFILE®
via Spessa, 12/14 - 36051 Creazzo - Vicenza
www.telecomandojane.it

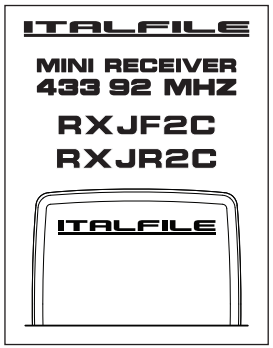
**Guarantee: 24 months**
**Manufacturing and technology: 100% made in Italy**
**Patented product**

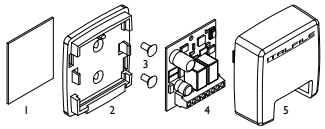
### Declaration of conformity:

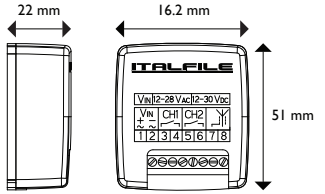
The undersigned, **Luigino Pellattiero**, legal representative of **ITALFILE srl**, declares that the receiver cod. **RXJF-2C** / **RXJR-2C** manufactured in 2010, was assembled in compliance with the following standards:
**Directive 2004/108/CE**: known as Electromagnetic Compatibility directive
**Directive 2002/95/CE**: Known as directive RoHS

And therefore complies with current standards.

Luigino Pellattiero - Vicenza (Italy) 1-10-2011




**Each receiver consists of:**
1. Double-sided adhesive support
2. Back plate
3. Two stainless steel screws
4. Electronic circuit board
5. Front shell

**Signals on the Terminals:**
1. power supply input (positive supply)
2. earth (negative supply)
3. common relay output 1
4. contact n.o. output 1
5. common relay output 2
6. contact n.o. output 2
7. aerial shielding
8. aerial input

## PRELIMINARY

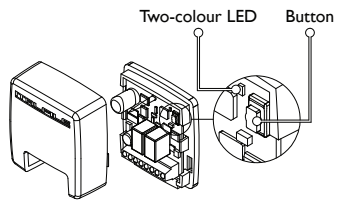
2 channel receiver model **RXJR-2C** compatible with transmitter model **JANE-R** (red LED)
2 channel receiver model **RXJF-2C** compatible with transmitter model **JANE-F** (blue LED)

## FEATURES

- 2 channel receiver with 2 relays equipped with OOK / ASK super heterodyne receiver
- microcontroller with decoding functions
- self-learning remote controls
- digital noise reduction filter
- independent mode switching for each channel
- SAW filter to suppress noise outside the band
- power supply with noise reduction filters and surge protection on power lines

## APPLICATIONS

Remote control for automation, light switches, blinds, curtains etc.
All programming and configuration of channels carried out using the single button on the circuit board. The colour of the LED matches the channel:
**Green LED:** all operations related to channel 1
**Red LED:** all operations related to channel 2
**Orange LED:** if both channels are turned on




## STORING A JANE on the RX RECEIVER

**CHANNEL 1**
- Press the button once and release: the green **LED** lights up
- within 5 seconds make a transmission by pressing the JANE button to be associated with channel 1
- the green **LED** goes off for 0.5 seconds to confirm learning
- after 5 seconds the green **LED** goes off indicating the end of the learning phase

**CHANNEL 2**
- Press the button twice and release: the red **LED** lights up
- within 5 seconds make a transmission by pressing the JANE button to be associated with channel 1
- the red **LED** goes off for 0.5 seconds to confirm learning
- after 5 seconds the red **LED** goes off indicating the end of the learning phase

## RXJR2C

After having stored the first jane (model jr), the next ones must be programmed using the receiver

## RXJF2C

After having stored the first jane (model jf), the next ones can be programmed from each other using self learning without using the receiver

**RXJR-2C** can have up to 250 **JANE-R** commands programmed

**RXJF-2C** can have up to 250 **JANE-F** commands programmed

## DELETING A JANE FROM THE RX RECEIVER

- Press the button 3 times and release (the first press turns on the green **LED**, the second the red **LED**, and the third the orange **LED** flashes)
- within 5 seconds make a transmission by pressing the JANE button to be deleted from the RXJ
- the orange **LED** goes off for 0.5 seconds to confirm the deletion (if the JANE had not previously been stored the deletion is not reported
- after 5 seconds the **LED** stops flashing and goes off indicating the end of the deletion phase

## SETTING THE CHANNELS

Both channels can be set in the following ways:

- **SINGLE FIXED MODE**: on receiving a code the output remains active for the duration of the reception of the code
- **DUAL FIXED MODE**: on receiving a code the output activates if previously it was inactive and vice versa
- **TIMED MODE**: on receiving a code the output is active for the time set

If the mode is not set on the **RXJ** the default mode is SINGLE FIXED

## SETTING CHANNEL 1 TO SINGLE FIXED MODE

- Press the button once and keep it pressed - the green **LED** lights up - after 3 seconds the green **LED** begins to flash rapidly entering **SINGLE FIXED MODE**
- Release the button and wait until the **LED** stops flashing and goes off confirming the mode

## SETTING CHANNEL 2 TO SINGLE FIXED MODE

- Press and release the button - the green **LED** lights up
- press the button a second time and keep it pressed - the red **LED** lights up – after 3 seconds the red **LED** begins to flash rapidly entering **SINGLE FIXED MODE**
- Release the button and wait until the **LED** stops flashing and goes off confirming the mode

## SETTING CHANNEL 1 TO DUAL FIXED MODE

- Press the button once and keep it pressed - the green **LED** lights up - after 3 seconds the green **LED** begins to flash rapidly entering **SINGLE FIXED MODE**
- Release the button – press the button a second time within 5 seconds and release – the green **LED** flashes twice entering **DUAL FIXED MODE** – wait for the **LED** to stop flashing and go out confirming the mode

## SETTING CHANNEL 2 to DUAL FIXED MODE

- Press the button and release - the green **LED** lights up
- press the button a second time and keep it pressed - after 3 seconds the red **LED** begins to flash rapidly entering **SINGLE FIXED MODE**
- Release the button
- Press the button a second time within 5 seconds and release – the red **LED** flashes twice entering **DUAL FIXED MODE**
- Wait for the **LED** to stop flashing and go out confirming the mode

## SETTING CHANNEL 1 TO TIMED MODE

- Press the button once and keep it pressed - the green **LED** lights up - after 3 seconds the green **LED** begins to flash rapidly entering **SINGLE FIXED MODE**
- Release the button
- Press the button a second time within 5 seconds and release – the green **LED** flashes twice entering **DUAL FIXED MODE**
- Press and release the button a third time - the green **LED** begins to flash three times entering **TIMED MODE**
- Wait for the **LED** to change to orange – if the button is not pressed again the orange **LED** goes off confirming **TIMED MODE** set to 60 seconds – if the button is pressed again before the orange **LED** goes off the time will be set to 5 seconds – to set the time to 20 seconds press the button 4 times in a row - the maximum time which can be set is 20 minutes using 240 key presses

## SETTING CHANNEL 2 TO TIMED MODE

- Press the button and release - the green **LED** lights up
- Press the button a second time and keep it pressed - after 3 seconds the red **LED** begins to flash rapidly entering **SINGLE FIXED MODE**
- Release the button
- Press the button a second time within 5 seconds and release – the red **LED** flashes twice entering **DUAL FIXED MODE**
- Press and release the button a third time - the red **LED** begins to flash three times entering **TIMED MODE**
- Wait for the **LED** to change to orange – if the button is not pressed again the orange **LED** goes off confirming **TIMED MODE** set to 60 seconds – if the button is pressed again before the orange **LED** goes off the time will be set to 5 seconds – to set the time to 20 seconds press the button 4 times in a row - the maximum time which can be set is 20 minutes using 240 key presses

## DELETING ALL JANEs FROM THE RECEIVER MEMORY

- Press the receiver button three times, and keep it pressed
- Wait until the orange **LED** flashes for 3 seconds and becomes fixed and then goes off - when the orange **LED** goes off all memory has been deleted and both channels are set back to **SINGLE FIXED MODE**

## Application Note: Change relay outputs

Instructions for changing relay outputs from Normally Open (N.O.) to Normally Closed (N.C.)

- Cut the path relative to the required channel at the point as shown in figure 1

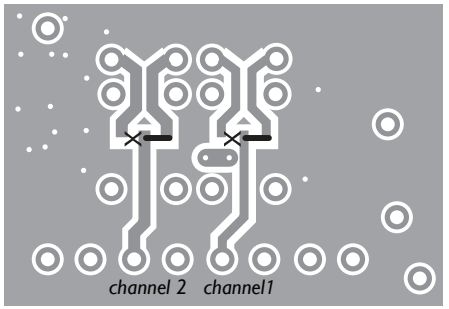
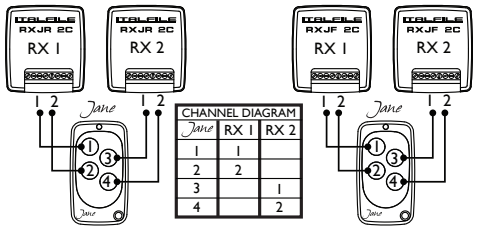



Figure 1: Back of the RXJ PCB

1. Cut the path where indicated by "X"
2. Join where indicated by the dash "-" using a drop of solder

***FOUR CHANNEL SOLUTION***




After cutting the path remember to join the pads using a drop of solder.