KL73 KLAMER
RCS-8

Digital Switch

Instruction Manual

READ THIS MANUAL BEFORE USING THIS EQUIPMENT

KL73 ELECTRONIC

29590- Malaga

Spain

KLAMER RCS-8 USER MANUAL

**The Klamer RCS-8 is a device designedñdesigned to automate the switching change processeithern antennas in radio communication equipmenteithern. Its main functioneithern is to change the remote control of the Ameritron RCS-8 or similar that is manual and make it automatictoTico.
By doing so tooandn we can work on*Remote change of Antennas.*

* **Automatic band change:**When the radio communication equipment changes bands automatically, the Klamer RCS-8 detects this change and activates the necessary mechanisms to connect the corresponding antenna. In other words, the device selects and connects the appropriate antenna completely autonomously.

* **Antenna change automation:**When you change bands on your Icom, the Klamer detects this change via the CAT cable and automatically switches to the corresponding antenna on the Ameritron RCS-8.

* **Ease of installation:**You just need to connect the wires from the Ameritron to the Klamer following the diagram on the board.

* **Information on screen:**The Klamer shows the current frequency and band on its display.

* **Programmability:**The included software allows you to configure the antennas and their corresponding bands.

* **Remote Connection:**Once programmed, the Klamer RCS-8 connects to the radio communication equipment. This connection is made easily, without the need to configure IP, DNS or open ports, which makes implementation much easier.

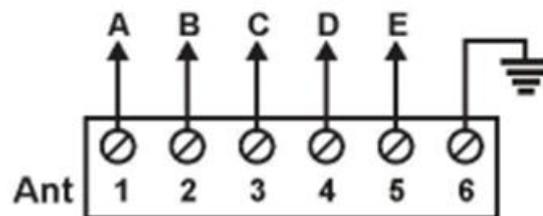ADVANTAGES OVER THE AMERITRON RCS-8 HANDHELD OR SIMILAR

- **Greater comfort:**Eliminates the need to manually change antenna cables.
- **Greater efficiency:**Allows you to change bands quickly and without errors.
- **Equipment protection:**Prevents possible damage to the switch due to incorrect connections.
- **Versatility:**It can be configured to work with different types of antennas and bands.
- **Available bands:**6,10,12,15,17,20,30,40,60,80,160
- **Antenna Remote Control:**When you change the band of the equipment remotely, moving the dial automatically changes the Antenna.
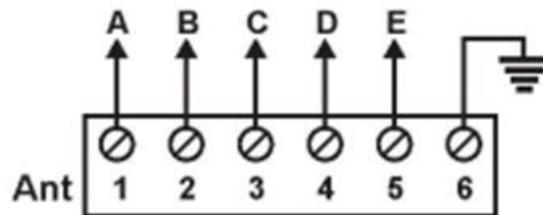
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Connection

* **Disconnect the wires from the Ameritron remote:**You must disconnect the specific cables from the Ameritron Remote and connect them to new points, following a pattern of letter correspondence (A-1, B-2, C-3 .. Etc) and a negative cable to ground.

* **Connect Cat cable:**Connect the Jack supply cable from Klamer to the CAT input on the Icom equipment.
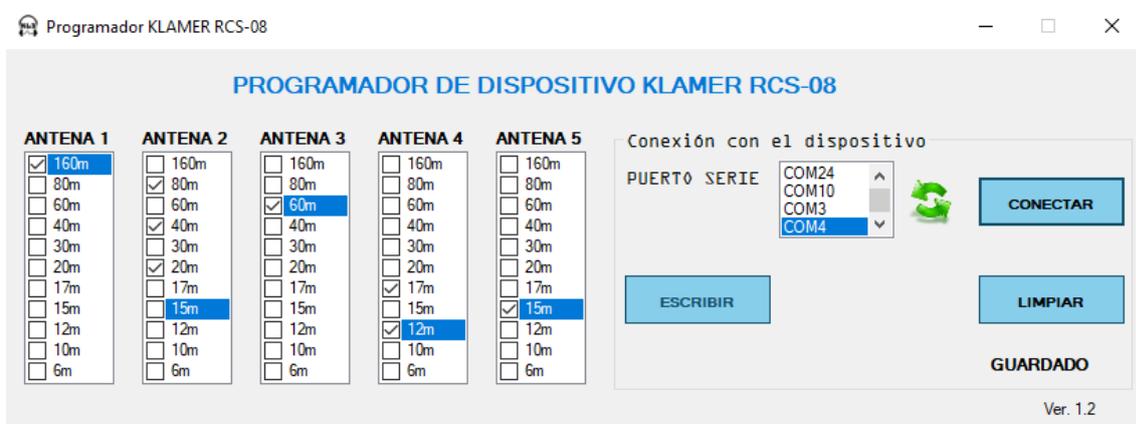
* The change is made bythe rise of12V DC

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1-ON-OFF

2-12VDC/1A

3-CAT ENTRY

4- OUTPUT TO RELAYS 5-

USB PROGRAMMER

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KLAMER RCS-8 SOFTWARE

Detailed procedure for setting up the Klamer RCS-10:

1. **Software download:**
   - either Access the website**kl73.es**.
   - either On the Klamer RCS-8 and download the software**Klamer RCS-8**. This file will usually have the extension.exe.

2. **Hardware Connection:**
   - either **Run the downloaded file:**Double click on the file klamer_rcs-8.exeto start the application.
   - either **Connect the power:**Plug the 12V cable into the Klamer RCS-10 and into a suitable power source.
   - either **Connect the USB cable:**Connect one end of the USB cable to the Klamer RCS-8 and the other end to an available USB port on your computer.

3. **Initial configuration:**
   - either **Select port:**In the Klamer RCS-8 application, choose the COM port to which the device is connected. This port is usually displayed in a drop-down list.
   - either **Click "Connect":**Once the correct port has been selected, press the "Connect" button to establish communication between the application and the Klamer RCS-8.
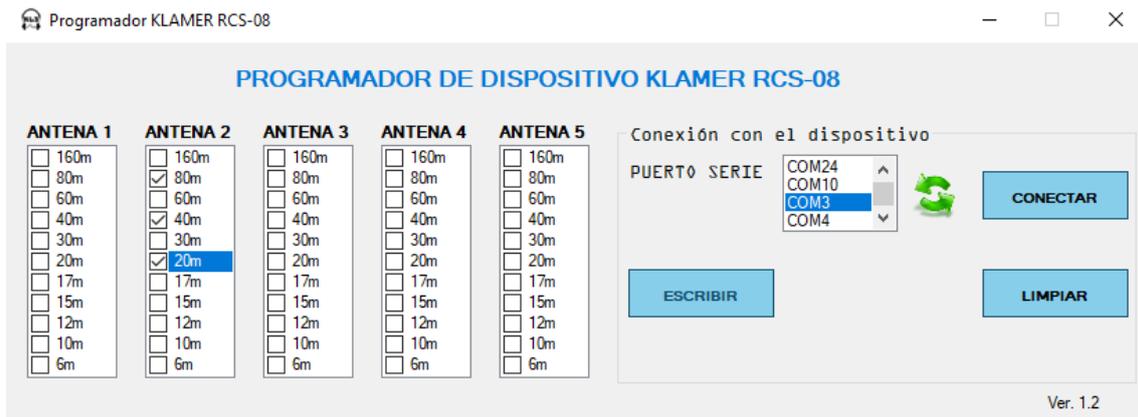
4. **Antenna configuration:**
   - either **Define the configuration:**In the app interface, you will find options to configure the frequency bands of your antennas. Make sure that this setting exactly matches the physical configuration of your Ameritron or similar equipment.
   - either **Save the settings:**Once you have verified that the settings are correct, press the "Write" button to save the changes to the Klamer RCS-8.

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_{either} **Multiband antenna:**If you have a multi-band antenna, for example an antenna with the 80m, 40m, 20m bands and that antenna is number 2, mark the 3 antennas.

_{either} **You cannot mark 2 identical bands on a different antenna.**

Antenna configuration example.

1- 160m
2- 80m, 40m and 20m
3- 60m
4- 17m and 12m
5- 15m

5.**Restart and End:**

_{either} **Wait for completion:**A green progress bar will be displayed on the screen while the configuration data is being written to the device.

_{either} **Auto Restart:**Upon completion of writing, the Klamer RCS-8 will automatically reboot.

_{either} **Full configuration:**Once the device has rebooted, the setup is complete and the Klamer RCS-8 is ready for use.

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Additional Tips:

- **Check the connections:**Before you start the setup, make sure all cables are connected properly and securely. **See the manual:**If you
- have any questions, please refer to the Klamer RCS-8 user manual for more detailed information.
- **Software Updates:**Keep your Klamer RCS-8 software up to date to benefit from new features and improvements.

Warning

The KLAMER RCS-8 has been found to be very rarely affected by high radio frequencies.

Before transmitting, check the SWR for possible programming and/or connection errors.

LEGAL NOTICE

The information contained in this manual is intended for the user only and is not intended to replace information contained in customer regulations, technical manuals/documents, position manuals or other official publications. The copy of this manual provided to the customer will not be updated to reflect current data.

Customers using this manual should report any errors or omissions, recommendations for improvements, or other comments to KL73.ES at kl73@kl73es. Phone: 655-827-695

Business hours: Monday to Friday 9 a.m. to 2:30 p.m.

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LIMITED WARRANTY

Kl73 warrants to the original purchaser that this product will be free from defects in material or workmanship for one year from the date of original purchase.

During the warranty period, Kl73 (or an authorized Kl73 service center) will provide free of charge the parts and labor necessary to correct defects in material or workmanship.

To obtain such warranty service, the original purchaser must

1. 1. Notify kl73 or your nearest authorized technical service as soon as possible after discovering a possible defect,

of:

a. The model number and serial number, if applicable:

b. The identity of the seller and the approximate date of purchase;

c. A detailed description of the problem, including details about the equipment.

2. 2. Deliver the product to Kl73 or the nearest authorized technical service, or send it in its original or equivalent container, fully insured and with shipping costs paid in advance.

Correct maintenance, repair and use are important to obtain proper performance from this product. Therefore, please read carefully

the instruction manual. This warranty does not apply to any defect that kl73 determines is due to:

1. 1. Improper maintenance or repair, including the installation of parts or accessories that do not conform to the quality and specifications of the original parts.

2. Misuse, abuse, neglect or improper installation.

3. accidental or intentional.

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The foregoing constitutes the entire obligations of Kl73 with respect to this product, and the original purchaser and any user or owner shall not be entitled to any claim for incidental or consequential damages.

The original purchaser and any user or owner shall not be entitled to any claim for incidental or consequential damages. Some states do not allow limitations.

Regarding the duration of an implied warranty, we do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

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SPAIN