

OPERATING AND USERS MANUAL CRS120 W.E.E.R.

Technical characteristics:

1. Power supply : low tension, trough external stabilized power supply 13Vdc 5 W (not given)
2. Power supply input: 2,5 mm male DC connector (positive central)
3. Turn on and off: through switch PWR
4. Maximum distance between Crs100 and the PC: 800 mt without signal repeater
5. System Connection to Crs120: with panel IP65 connector
6. LED warnings lights:
 - PWR: state of the system, if green the CRS 120 is on with the primary power supply
 - CHARGE: charge indicator, if red the battery is charging
 - ALIM: state of the system, if green the CRS 120 is on
 - 5VCC: tension of the system, with the CRS 120 on it must be green
 - 13VCC: tension of the system, with the CRS 120 on it must be green
 - 11VCC: tension of the system, with the CRS 120 on it must be green
 - USB ON: connection indicator , it must be green when connected to USB
 - 232 ON: connection indicator , it must be green when connected to RS232
 - TX_D: data indicator ,it flash during the communication between the PC / Crs100
 - RX_D: data indicator ,it flash during the communication between the Crs100 / PC
7. Connection to PC: 115kpbs through RS232 port (DB9 female) and/or USB port (type B)
8. Operating temperature: 0/ +50 °C
9. Weight : about 450 grams
10. Protection degree: IP55
11. Measures: 105 mm x 45 mm x 145mm
12. Certifications: CE, FCC, RTE
13. Special functions:
 - Internal rechargeable battery to give supply in case of black-out (autonomy 30')
 - Exit jack 3,5mm to connect headphone
 - Internal headphone volume regulation ,
 - "BEEP" function integrated with internal possibility to disable
 - Internal black out horn (possibility to disable with the external switch ADV),
 - System dip switch
 - Jumper for 485 communication line
 - Integrated thermal protection
 - Possibility to add an external TCP/IP module.

Installation:

- Install the Master interface CRS 120 in internal dry place closet o the PC.
1. Ensure that the system is turned off (switch PWR set to OFF),
 2. Ensure that the horn is off (switch ADV set to OFF)
 3. Connect the data transmission cable to the CRS 120 screwing it to the circular connector on the back of the CRS 120
 4. Connect the PC to the RS232 and/or to the USB port;
 5. Put in the DC power supply connector ,
 6. Verify that the WEER logo is lit
 7. Turn on the system with the PWR switch on the front.
 8. Verify that the following lights are on: PWR, CHARGE, ALIM, 5VCC, 13VCC, 11VCC ed USB ON (if connected)
 9. Put a transponder close to the CRS 100 and listen to the "BEEP",
 10. Take off the DC power supply connector
 11. Verify that only the following lights are on :ALIM, 5VCC, 13VCC, 11VCC ed USB ON (if connected)
 12. Set the ADV switch to ON, the horn must ring
 13. Put in the DC power supply connector

NOTE: The battery is charged only when the CRS 120 is turned on. Avoid passing power cables close to the data transmission cable.

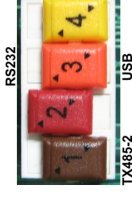
Settings:

It could be necessary to do the setting according to the use it must be done

- master PC: only one of the two ports available on the CRS 120 is enabled to send command to the CRS 100. Default setting is the USB port
- RS485 line: a closing resistor and two pull resistors are on board of the CRS 120, with default settings they are disabled

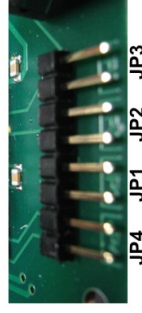
master PC Setting:

1. Ensure that the system is turned off (switch PWR set to OFF),
2. Disconnect everything from the CRS 120
3. Unscrew the four screws on the back of the CRS 120
4. **Do not extract completely**, but unthread the board until you can see the 4 poles dip-switch
5. Move **only** the dip 3 in the desired position . Dip 1 must remain in TX 485-2
6. Insert again the board and put the screws.



Setting RS485 line:

1. Ensure that the system is turned off (switch PWR set to OFF),
2. Disconnect everything from the CRS 120
3. sconnettere tutto quanto connesso al Crs120,
4. Unscrew the four screws on the back of the CRS 120
5. **Do not extract completely**, but unthread the board until you can see the 8 poles contacts
6. Take the jumper put on the inside part of the CRS 120
7. Insert the jumpers in this way:
 - JP2: closes the line on the terminator resistor , it is used in multi reader system and when there are interferences on the line.
 - JP1, JP3: close the pull up/down line , they are always used combined and only in multi reader system
5. Insert again the board and put the screws.



FCC ID : WYGCRS100-120

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
Any changes or modification not expressly approved by Weer could void the user's authority to operate the device.