Matko Wireless Installation Manual

XTRS:

-XT100

-XR100

Transceiver Setup

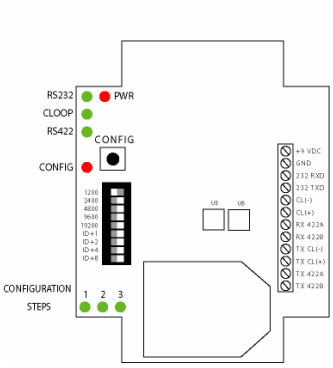

Figure 2 – Transceiver XT100

1. Set the dip switch 5 to 9 on the transceiver to the same baud rate as the indicator. If all switches are set to off or more than one switch is turned on then the unit will operate at 9600 baud
2. Set the dip switch 1to 4 on the transceiver for a system ID. There are 16 possible system IDs available 0 (all off) to 15 (all on). If more than one wireless system are present each system requires a unique ID
3. Press the CONFIG button on the transceiver to save the dip switch settings. The three green configuration LEDs will illuminate as setup progresses. LED 1 indicates setup initiated. LEDs 1 and 2 indicate internal communication established. LEDs 1, 2, and 3 indicate setup complete. If there is a problem with configuration the red CONFIG LED will blink every 5 seconds up to 6 times as internal communication is re-established. The red CONFIG LED will then blink several times rapidly. Wait a minimum of 5 seconds before pressing CONFIG again.
4. Wire the transceiver to the indicator according to Figure 1. When properly wired the corresponding LED (RS232, CLOOP, or RS422) will blink with each data transmission

Receiver Setup

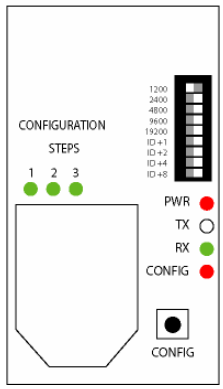

Figure 3 – Receiver XR100

1. Set the dip switch 5 to 9 on the transceiver to the same baud rate as the indicator. If all switches are set to off or more than one switch is turned on then the unit will operate at 9600 baud
2. Set the dip switch 1to 4 on the transceiver for a system ID. There are 16 possible system IDs available 0 (all off) to 15 (all on). If more than one wireless system are present each system requires a unique ID. All transmitters and receivers on the same system must have the same system ID
3. Press the CONFIG button on the transceiver to save the dip switch settings. The three green configuration LEDs will illuminate as setup progresses. LED 1 indicates setup initiated. LEDs 1 and 2 indicate internal communication established. LEDs 1, 2, and 3 indicate setup complete. If there is a problem with configuration the red CONFIG LED will blink every 5 seconds up to 6 times as internal communication is re-established. The red CONFIG LED will then blink several times rapidly. Wait a minimum of 5 seconds before pressing CONFIG again.
4. The RX LED will blink to indicate that the scoreboard is receiving the wireless signal

Wiring Diagram

	Indicator	Pin	Display
Indicators with Active 20 mA Output	+20 mA -20 mA	6 5	CL (+) CL (-)
Indicators with Passive 20 mA Output	+20 mA -20 mA	1 2 5 6	+9 VDC GND -JUMP CL (-) -JUMP CL (+)
Indicators with RS232 Output	GND TXD	2 3	GND 232 RXD
Indicators with RS422 Output	TX 422A (+) TX 422B (-)	7 8	RX 422A RX 422B

Figure 1 – Wiring Diagram

Notes:
-Mount all units in a direct line of sight with each other with all antennas on the same plane (all vertical for example)
-To transmit RS422 with the transceiver move chip in U5 to U8 (See figure 2)