



RRANGEMASTER
SSYSTEMS

Rangemaster TXIQ8
8 Channel remote control
User manual



Order code: TXIQ8
Revision Date: 17.06.2021

TABLE OF CONTENTS

1. DESCRIPTION OF THE UNIT.....	2
1.1 FEATURES.....	2
1.2 DISCIPLINES.....	2
1.3 TECHNICAL DATA.....	2
1.4 OPTIONAL ACCESSORIES.....	3
2. OPERATING.....	3
2.1 FUNCTIONALITY.....	3
2.2 OPENING/CLOSING THE ENCLOSURE.....	4
2.3 TXECO MODE.....	5
2.4 SETTING THE ADDRESS.....	5
2.4.1 ADDRESS TABLE.....	6
2.5 BATTERIES.....	8
3. LIMITED WARRANTY.....	9
4. RMA FORM.....	10

Copyright Maxima WarenhandelsGmbH © Rangemaster Systems - all material published on this manual is protected by copyright including design of circuits and software.

You are expressly prohibited from electronically storing any material found here or republishing it by any means. Furthermore it is prohibited to reverse-engineer software or hardware, disassemble or copy software or hardware or parts of it.

This unit has been carefully produced for / by:

Maxima WarenhandelsGmbH
© Rangemaster Systems
Dr. Robert Graf Straße 64/9
Graz, A-8010
Austria/Europe

Phone: +43 699 104 03 204
Fax: +43 720 920 195
Mail: info@rangemaster.at
Web: www.rangemaster.at

1. DESCRIPTION OF THE UNIT

Rangemaster TXIQ8 is an 8 channel remote control for controlling traps for releasing clay targets

1.1 FEATURES

- 8 Channels
- 32 possible addresses
- No interference with other layouts
- External antenna
- High quality IP 65 enclosure
- Molded self adhesive protective plastic keypad
- Operational temperature: -30 ° C to + 60 ° C

1.2 DISCIPLINES

All disciplines in accordance to the receiving items

1.3 TECHNICAL DATA

Power Input:	Power supply via 2xCR2032
Power consumption:	< 100 mW
Operation temperature:	-30 ° C to + 60 ° C
IP	IP65
Dimensions:	Height:11.5cm (+8cm antenna), width: 6.5cm, depth: 2.5cm
Weight:	140 gr
Frequency:	433MHz
Type of modulation:	FSK
Baud rate:	2 kBd
Max. permitted voltage:	24 V
Max. permitted current:	1,0 A
Television reception:	No
Data encryption:	No
Internet access:	No

1.4 OPTIONAL ACCESSORIES

Receivers

1/24 Channel Smart receiver

[RXSR4S](#)

8 Channel Smart receiver

[RXSR8](#)

Smart receiver for skeet

[RXSRSK](#)

1/24 Channel Mini receiver

[RXU](#)

Sequencers

Rangemaster X2 sequencer (control unit for controlling traps)

[X2](#)

Rangemaster X3 sequencer (all-in-one range management system)

[X3](#)

2. OPERATING

2.1 FUNCTIONALITY

In accordance to the discipline TXIQ8 remote control can be used the following ways:



Button	Functionality in ROUND MODE (COMPETITIONS)
A	Zero for single target or first target in the double
B	Zero for second target in the double
C	-
D	-

E	No Target
F	Pause (switches off microphones)
G	Forward (Silent release without releasing target)
H	Manual release

Button	Functionality in TRAINING MODE
A	Manual release of: A (sporting), high house (skeet), right target (trap)
B	Manual release of: B (sporting), low house (skeet), center target (trap)
C	Manual release of: C (sporting), double (skeet), left target (trap)
D	Manual release of: D (sporting)
E	Manual release of: E (sporting)
F	Switches on/off microphones; manual release of: F (sporting)
G	Moves active microphone one station to the right; manual release of: G (sporting)
H	Moves active microphone one station to the left; manual release of: H (sporting)

2.2 OPENING/CLOSING THE ENCLOSURE

To open the enclosure unscrew 4 screws. They are covered with the rubber part (decorative seal). That is why first move the rubber part up to be able to unscrew and open the enclosure.



While closing the enclosure take care that the decorative seal is closed correctly.



2.3 TXECO MODE

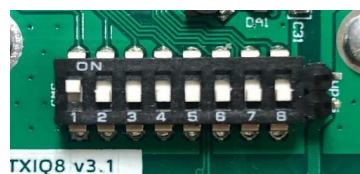
In case the remote control is used with Rangemaster X2 or Rangemaster X3 Pro/.Net sequencers, TXECO mode should be activated (maximum 32 layouts can be used simultaneously).

To activate TXECO mode lift the 8th switch on the DIP switch placed on the PCB inside the enclosure.



2.4 SETTING THE ADDRESS

To make the remote control compatible with the receiver, they both should be set to the same channel. To be able to set the address use the DIP switch placed on the PCB inside the enclosure.



NOTE: All layouts should have different channels!

2.4.1 ADDRESS TABLE

LAYOUT MODE								
DIP switch/ Channel	1	2	3	4	5	6	7	8
1.1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1.2	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1.3	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
1.4	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
2.1	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
2.2	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
2.3	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
2.4	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
3.1	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
3.2	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
3.3	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
3.4	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
4.1	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
4.2	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
4.3	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
4.4	ON	ON	ON	ON	OFF	OFF	OFF	OFF
5.1	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
5.2	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
5.3	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
5.4	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
6.1	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
6.2	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
6.3	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
6.4	ON	ON	ON	OFF	ON	OFF	OFF	OFF
7.1	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
7.2	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
7.3	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
7.4	ON	ON	OFF	ON	ON	OFF	OFF	OFF
8.1	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
8.2	ON	OFF	ON	ON	ON	OFF	OFF	OFF
8.3	OFF	ON	ON	ON	ON	OFF	OFF	OFF
8.4	ON	ON	ON	ON	ON	OFF	OFF	OFF

CHANNEL MODE								
DIP switch/ Channel	1	2	3	4	5	6	7	8
00	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
01	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
02	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
03	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
04	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
05	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
06	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
07	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
08	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
09	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
10	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
11	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
12	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
13	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
14	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
15	ON	ON	ON	ON	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
17	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
18	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
19	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
20	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
21	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
22	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
23	ON	ON	ON	OFF	ON	OFF	OFF	OFF
24	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
25	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
26	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
27	ON	ON	OFF	ON	ON	OFF	OFF	OFF
28	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
29	ON	OFF	ON	ON	ON	OFF	OFF	OFF
30	OFF	ON	ON	ON	ON	OFF	OFF	OFF
31	ON	ON	ON	ON	ON	OFF	OFF	OFF

2.5 BATTERIES

To change the batteries, open the enclosure ([refer to 2.2](#)), remove discharged batteries and insert new ones. For the remote control use batteries **2 x CR2032**.



In order to make sure that contact of the batteries is good, every time when changing the batteries, please push the connecting parts of the battery holder inside:



To check the batteries voltage, please use voltmeter and test the battery level while pushing the button. If it is lower than 4V, please exchange the battery!



NOTE: Take care about the polarity when inserting the batteries!

3. LIMITED WARRANTY

Rangemaster Systems gives a limited warranty on this products against defects in material or workmanship for time of 12 months.

This period starts upon receipt of the product.

Rangemaster Systems will not be liable for loss of data or loss of profit or turnover due to a defect.

The warranty only includes repair or replacement of defect components, which failed during daily use. "Daily use" has to be read as: Use in accordance to specifications and in intended use.

General information & warranty exclusions: Damages due to water, moisture, vandalism, lightening, surges over power line or power supply, usage outside of specifications, dropping the product, excessive heat or cold (both for operation and storage) damages because of dropping the product, unnecessary force, damages because of empty or discharged batteries or accumulators are warranty exclusions and do not entitle you for a free of charge repair or replacement.

In case of chip card readers with contacts are built in the product. Items or dirt inside the reader are warranty exclusions.

In case of touch screens are built in the product: Damages due to improper use (using something else than your finger) causing scratches or punctures on the screen or on the touch surface will not be covered with warranty.

Please ask for a RMA number by sending an email to support@rangemaster.at

Add invoice number, date of invoice and serial number of product.

Also add a detailed description of errors.

Return unit for repair to:

Maxima WarenhandelsGmbH

© Rangemaster Systems – Ext. Storage

8082 Weissenbach 9

Austria/Europe

Show your RMA number of the box. Send us a tracking link after returning the product to us.

4. RMA FORM

To:

Maxima WarenhandelsGmbH

© Rangemaster Systems – Ext. Storage

8082 Weissenbach 9

Austria/Europe

RMA: _____

Date: ____ / ____ / ____

Date of purchase	
Supplied by	
Invoice number (Please attach copy of invoice)	
Product serial number	
Description of error	

Please return to:

Name	
Club	
Address 1	
Address 2	
Zip code	
City/Town	
Country	
Phone	
E-Mail	