



**R**ANGEMASTER  
**S**YSTEMS

**R**angemaster TXIQ16  
16 Channel remote control  
Data sheet and User manual



Order code: TXIQ16  
Revision Date: 02.08.2018

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## 1 DESCRIPTION OF THE UNIT:

**Rangemaster TXIQ16** is a 16 channel remote control of the "IQ series"

### 1.1 FEATURES:

- 16 Channels
- 32 possible addresses
- Digital encryption
- 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 4 x CR2032 batteries
Power consumption:	< 100 mW
Operation temperature:	-30 ° C to + 60 ° C
IP	IP65
Dimensions:	Height: 20.5cm (+8cm antenna), width: 10cm, depth: 5cm
Weight:	≈ 300 gr
Frequency:	433MHz/868MHz

### 1.4 OPTIONAL ACCESSORIES:

#### Receivers

1 out of 8 Channel Digital Sporting Receiver	<a href="#">RXIQ1</a>
3 Channel Receiver for Skeet	<a href="#">RXIQ2</a>
4 Channel Receiver	<a href="#">RXIQ4</a>
8 Channel Receiver	<a href="#">RXIQ8</a>
3 Channel Receiver for Skeet	<a href="#">RXIQ4S</a>
1/24 Channel Smart receiver	<a href="#">RXSR4S</a>
8 Channel Smart receiver	<a href="#">RXSR8</a>

Smart receiver for skeet

[RXSRSK](#)

### 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 each button of the TXIQ16 remote control can be set to a certain trap.

**E.g.:** *Button A – Trap A, Button B – Trap B, etc.*

To throw rafal targets keep pressing the button untill the second target is release.

### 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.

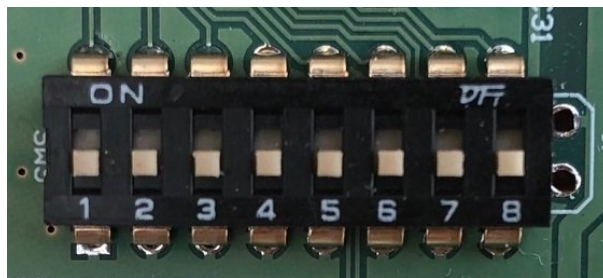


While closing the enclosure take care that the decorative seal is closed correctly.



### 2.3 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!

**2.3.1 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

## 2.4 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 **4 x CR2032**.



**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 System 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](mailto: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  
8082 Weissenbach 51  
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  
 8082 Weissenbach 51  
 Austria/Europe

RMA: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

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

Please return to:

<b>Name</b>	
<b>Club</b>	
<b>Address 1</b>	
<b>Address 2</b>	
<b>Zip code</b>	
<b>City/Town</b>	
<b>Country</b>	
<b>Phone</b>	
<b>e-Mail</b>	