RANGEMASTER SYSTEMS CHIPCARD LOADER
HANDHELD TERMINAL
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This unit has been carefully produced for / by:

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## 1.1 TECHNICAL DATA:

<table>
<thead>
<tr>
<th>Order Code</th>
<th>CCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP-level:</td>
<td>IP 20</td>
</tr>
<tr>
<td>Temperature range (storage):</td>
<td>0°C bis + 50°C</td>
</tr>
<tr>
<td>Temperature range (operation):</td>
<td>+5°C bis + 50°C</td>
</tr>
<tr>
<td>Acceptable humidity:</td>
<td>0 bis 95% rel. Humidity, non condensating</td>
</tr>
<tr>
<td>Power supply:</td>
<td>2x9V battery, alkaloid</td>
</tr>
<tr>
<td>A set of battery lasts:</td>
<td>Approx. 10 h</td>
</tr>
<tr>
<td>Display:</td>
<td>4 lines by 16 digits, no backlight</td>
</tr>
<tr>
<td>Keys:</td>
<td>10x numeric keys 3 function keys</td>
</tr>
<tr>
<td>Chipcard reader:</td>
<td>Built in</td>
</tr>
<tr>
<td>Internal counters:</td>
<td>2 Counters – resetable with Admin-Card</td>
</tr>
<tr>
<td>Max. clays/points to load per chipcard</td>
<td>9999</td>
</tr>
</tbody>
</table>
| Compatible products: | - Rangemaster X3 stand alone  
- Rangemaster X2  
- Rangemaster Thunder  
- Rangemaster CCDE  
- Rangemaster TXSPO8  
- Rangemaster stand alone rifle solutions |
1.2 PRODUCT DESCRIPTION:
2.0 SWITCH ON/SWITCH OFF UNIT:

After switching on the unit by placing the toggle switch to the on-position, you will see on the display:

```
RANGEMASTER CHIP
LOADER
BIOS V.X.X
```

After approx. 3 seconds, following message will appear:

```
Insert Chipcard
now
VVVVVVVVVVV
```

Chipcard loader is now operational and waits for a chipcard insertion.

Switch off unit: Place the on/off toggle switch to the “Off” position

2.1 CHIPCARDS:

Only preformated chipcards supplied by Rangemaster systems can be used; these Chipcards come with a clone and copy/edit protection; if somebody has tried to temper a chipcard, a message “Invalid Chipcard” will appear on the display; Same message might occur, if chipcard has been damaged because of ESD or any other mechanical damage.
2.2 LOAD A CREDIT ON A CHIPCARD:

After inserting a valid, preformatted chipcard supplied by Rangemaster Systems, you will see on the display:

```
Credit:     0000
Plus:       
>ERASE<    >OK<    >C<
```

If the card inserted has already been loaded/used and still has some credit on it, You can read the credit on the display:

```
Credit:     2530
Plus:       
>ERASE<    >OK<    >C<
```

Reading credit on Chipcard: If you just wanted to read the amount of clays/points stored on the chipcard, remove the chipcard now and unit will restart.

Loading credit: Now use the keys 0..9 to enter a valid amount of clays/points on the card inserted. After having entered the right amount, just press the “OK” button. If you entered a wrong number, just press the “C” = Clear button.

After having pressed the “OK” button, follow message will appear on the display:

```
 New credit:     5

Remove card now
```

Please be aware, that the chipcard will accept only a maximum of 9.999 clays/points!!

The amount you loaded on the chipcard will be added to the internal counters P1 and P2 (see Sec. 3 – Reading internal counters).
2.4 CLEAR/ERASE CREDIT ON CHIPCARD

Unit is switched on, a valid chipcard is inserted in the reader and the display shows following message:

<table>
<thead>
<tr>
<th>Credit:</th>
<th>2530</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus:</td>
<td>____</td>
</tr>
<tr>
<td>&gt;ERASE&lt;</td>
<td>&gt;OK&lt;</td>
</tr>
</tbody>
</table>

After pressing the „Erase“ button, you will see on the display:

Erase card?
Erase: >OKAY<
or
remove card

Simply remove card to abond this operation or press “OK” to reset credit on Chipcard to Zero. The credit removed from the chipcard will be added to the 2 counters M1 and M2.
3.0 READ INTERNAL COUNTERS:

Insert a administrator`s card to access the internal counters:

P1: 37825   M1: 0125
P2: 3892140
M2: 1326
1: P1=0   2: M1=0

P1 is the resetable cumulative counter of credit loaded on chipcards
M1 is the resetable counter for credit erased from chipcards (see 2.4)
P2: is the non resetable cumulative counter of credit loaded
M2: is the non resetable counter for credit erased from chipcards

If you just wanted to read the counters, remove the administrator`s card.
If you want to reset counter P1 and M1, press the button “1” and button “2” Respectively.
5.0 CHANGE BATTERIES:

- Please exchange empty batteries immediately!
- For opening the case, removed the 8 screws placed on the bottom
- Replace the exhausted batteries with a set of 2 new Akaloid batteries.
- When closing the unit, take care not to damage cables!
7.0 LIMITED WARRANTY:

Rangemaster Systems warrants this product against defects in material or workmanship for a period 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 due to a defect.

Please refer to our web-site www.rangemaster.at for detailed information on warranty and warranty exclusions.

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 please add a detailed description of possible errors.

Return unit for repair to:

Maxima WarenhandelsgmbH
Rangemaster Systems
Weissenbach 51
8082 Kirchbach/Austria
Austria/Europe

Show your RMA-number of the box. Send us a tracking link after product has been shipped.