

USER MANUAL OF JR100 POWERFUL BINOCULAR

Dear Users:

Thank you for using the series JR100 powerful binocular.

For different using, you could choose JR100-T Coin binoculars or JR100-B Non-coin binocular.

JR100-T coin binocular is designed especially for scenic spot landscape using to satisfy the tourists to view far away. JR100-T coin binocular with the wonderful performance such as easy operation、sharp image、steady electrical specification、reliable structure property and new appearance could help you to get more profit return.

JR100-B Non-coin binocular is suitable for free service.

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1 Technical performance

1.1 Main optical performance

Item	Model JR100-25 ()	JR100-40 ()
Magnification	25×	40×
Exit diameter	φ 4mm	φ 2.5mm
Relief distance	14mm	8.2mm
Field of view	2° 30'	1° 30'
Resolution	≤2.4"	
Diopter adjustment range	fixed	

Note: The “√” in blanket is selected by the user.

1.2 Mechanical performance

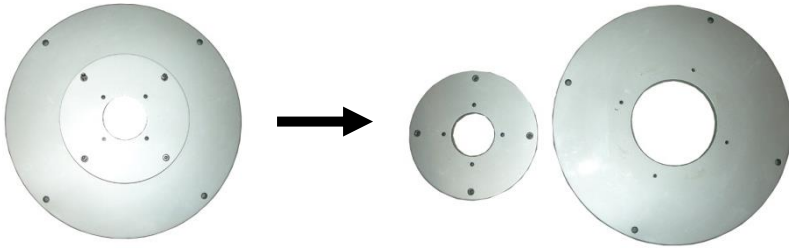
- a) Azimuth adjust range: 0~360°
- b) Pitch up and down angle range: ±30°
- c) Interpupillary distance: 63mm
- d) External package dimension (host): 497mm(L) × 200mm(W) × 240mm(H)
- e) Complete machine height: 1.46m
- f) Over all unit weight: 59kg

1.3 Electrical performance

Power	DC4.5V, 3Pcs AA (#5) Batteries
Standing-by time	1year
Continually working	Coin operated 80Pcs/day covering 3 months (limited by the electricity, coin amount)
diaphragm Open time	5-9995 seconds continually adjustable, factory set 120 seconds
Temperature of environment	- 10 °C ~ + 50 °C
Other Characteristics	<p>1.The time would accumulate automatically as continuously insert coins.</p> <p>2.ultra-low power consumption, coin operated continually with time increased automatically. It is needed to change the batteries as the “- -” flashing on the LCD, it displays lack of power.</p> <p>3. The coin number adding up and won't delete as the power off.</p> <p>4.The defaulted coin of which different with the coin Diameter & thickness won't recognized and accepted, please press the refund button to return coin.</p>

2 Installation

2.1 Disassemble the big and small backseat as picture 1.



Picture 1

2.2 Using socket head cap screw to fix the small backseat on the column using, as picture 2.



Picture 2

2.3 Fix the small backseat and column on the big backseat, as picture 3.



Picture 3

2.4 As picture 4, put the binocular host on the column, and rotate the keys clockwise, take off the small door of the column. Please pay attention to make the dot which on the binocular host together with the dot on the column, using 4 pieces of M8 screw to fix the binocular on the column.



Picture 4

2.5 Insert the plug of the main control board into the plug from the binocular host as picture 5. (Pay attention to the right direction of the plug)



Picture 5

2.6 Put back the small door of the column; rotate the key anticlockwise to close the door, as picture 6.



Picture 6

2.7 Assemble completed as picture 7.



JR100-T



JR100-B

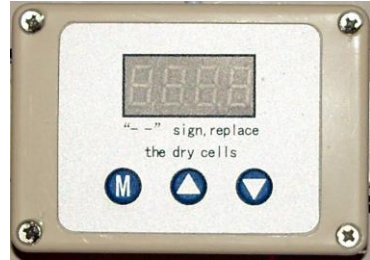
Picture 7

If the product should be fixed on the floor (wooden or cement floor), using the anchor bolts through the four through hole of the big backseat.

3 Electrical part Operation

3.1 Check the amount of the coins received

With standby , the screen will displaying approximately 3 seconds the number of coins by press button “M”, then shut automatically, attention: it is useful of setting above in standby, it isn’ t useful in time counting down as coin operated.







3.2 Time setting

Please keep pressing “M” to check the number of operated coins in standby situation, the system manual be in time setting after 3 seconds and the screen displays **0000** (time) ,then press button “M” again to confirm the system is being in time setting, it displays the current time setting data. press “▲”(to increase time data) or press “▼”(to reduce time data)(with increase/reduce every 5 seconds per press) . To make the rapidly increase or reduce on time data, keeping press “▲” or “▼” button to get you want and then press “M” again for confirmation, the system esc back to the time setting manual and displays **0000**, press “▲” esc back to the return manual and displays **End** and press “M” to make a confirmation, then the time setting is successes with displaying **0000** the system is standby.


3.3 The coin clear operation

Keep pressing the button “M” in standby situation, it will displays the total number of operated coins, the system manual will be in time setting after 3 seconds and the screen will displays **0000** (time) , press

“▼”displays the  (number of coins) and the system is being in coin clear operation, press button “M” again to confirm the system is being in coin clear operation with displaying the number of the coin, keeping press “▲” and “▼” button to zero clearing the coins, press “M” again, the system esc back to the coin clear operation manual and displays , press “▼” esc back to the return manual and displays , then press “M” to make a confirmation to be back, then the coin clear operation is successes with displaying  the system is successes be back to the standby situation.

Attention: a. The coin operated is not useful, the diaphragm will not open and counting down will not perform, if the system be in setting manual situation.

b. The setting manual is not useful, the diaphragm will not be open when the system is started perform counting down, it is to say, the number of coins will not displays when pressing button “M” .

c. The system will return to the standby situation and will not memorize the setting of time or coin clear operation, if the system being in manual but without back to standby situation from back manual .

4 Change Batteries

The warning “- -” will flashes appear on the screen when the batteries power is lower than the normal working voltage, please recharge the batteries as following pictures show one by one.



turn down the battery cover
counterclockwise, remove the battery



install (or replace) the battery



put the battery back,
tighten the battery cover counterclockwise



put the battery box back
plug in the power cable tightly

5 The Coin Operator Setting

It is used the mechanical coin operator that could recognize the diameter and thickness of coins, and it was precisely set special for the local coins or samples by professional engineer when the product leaves factory, so it is not necessary to be set again by the user, except the sample could not be recognized by coin operator or coin operated not smoothly as it is vibrated in transportation, or affected by dirt and dust accumulation. Even if the customers want to change different kinds of coin sample, they can set the recognizer upon the mechanical size by themselves,

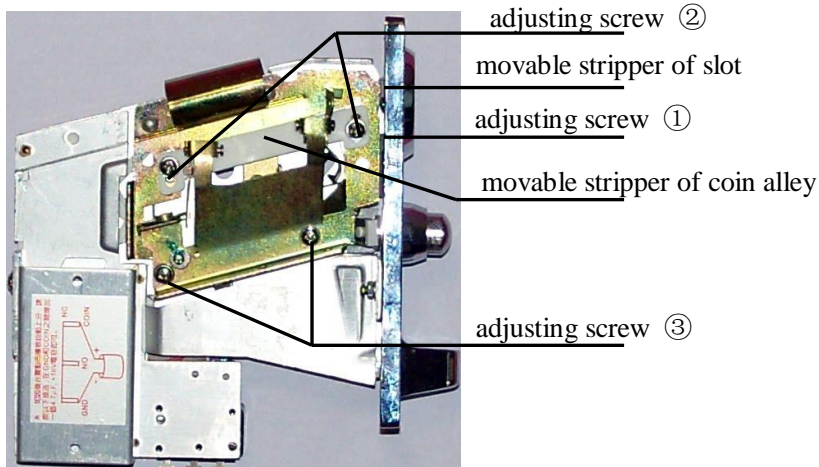
a. Loosen the adjusting screw near the coin slot ①, adjust the movable stripper located at the back of coin slot according to the sample coin's diameter, to where the suitable place is, can locks the coin larger than the sample and passes the one of the same sizes as sample coin,

b. Loosen the adjusting screw ② of the coin alley, adjust the the movable stripper up/down to the suitable size that allow the sample coin roll in smoothly, the larger diameter coin lock and the smaller diameter coin can't roll in operator but slip at the hook located at the refund button, to take the refunded smaller/larger coin by press the refund button.

c. It is the same way to adjust the screw ③ according to the sample coin's thickness, the setting on the width of coin alley is complied with the thickness of the sample coin, then the larger and smaller coin will not be recognized and could be returned by press refund button.

Notification: The mechanical coin operator was used that can recognized the coin roughly, but the high precision setting upon the sample coin will caused the coin not to be recognized and rolled in, for, the longtime of using with normally vibration, expansion with heating and contraction with cooling, even the dust and dirty things maybe cause the set sample coin was not recognized and rejected, that is, the setting of precision of coin sample is subject to the person's basic structure physical knowledge, it differs from man

to man, our suggestion is, the user send the coin operator back factory to re-set the different size coins sample supplied by the user itself, or performed under the professional engineers conduct.



6 Usage

Insert the coins from the coin operator, when the coin was detected successfully, the binocular would open, and the tourists could view. When insert several coins continuously, the time would add automatically. If the coin could not be insert in, push the button to get it back.

Notice: Please don't use the binocular to view the sun, otherwise it would hurt your eyes.

7 Pitching adjustment

The screw for adjustment of the pitching up and down is a little fastened. You could adjust it as following picture shows.



8 Notification

- 8.1 Please remove the battery from the battery compartment, and keeping cover of dust proof coat on the product if it will not be used in long time.
- 8.2 Please pay attention on the white cable connected the host with the time controller will not reversed the direction
- 8.3 The power supply is 4-6 directive voltage, please don't disobey with it.
- 8.4 Don't look at the sun directly with the device; otherwise the eyes will be hurt even turned to blind.

8.5 The coin operated binocular is precision optical product with which adjusted and aligned by special instrument, please don't disassemble it to one's discretion.

8.6 All coin operated binocular updated information are subjected to the goods and the change without notice in advance.

8.7 Throw the useless batteries, please obey the garbage classification rules, and please don't throw them with other rubbish