

TAKSTAR® 得胜

WDA-500

便携式音箱

Portable speaker cabinet



使用手册 User Manual

WDA-500 Portable speaker cabinet

- Product.....17
- Features.....17
- Application.....17
- Product content.....17
- Specification.....18
- Function instruction.....19
 - A. Speaker cabinet.....19
 - B. Microphone.....23
 - C. Remote control.....24
- Microphone Operation.....25
 - A. Connecting with microphone.....25
 - B. Holding microphone correctly.....26
 - C. Connecting with cell phone/PC/mixer/sound card.....27
 - D. Serial connection.....27
 - E. Matching frequency.....28
 - F. Matching for wireless playing.....29
- Charging instruction.....29
- Caution.....30
- The meaning of Icon.....31
- About the user manual.....31

WDA-500 Portable speaker cabinet

■ Product

Dear customer,

Thank you for purchasing WDA-500 portable speaker cabinet. Please read the manual carefully before operation and keep it for reference in future. If you have any question, please contact the local dealer.

■ Features

- The portable multifunction speaker cabinet, suitable for outdoor performance, square dance, promotion, training
- Designed with UHF wireless microphone, approximately 40m transmission range in open area without interference
- 5.25 high performance cone speaker, high volume output, powerful tone
- Wireless playing function, link with cell phone/PC/PAD to play music
- Playing music in USB stick or TF card, MP3/WAV format
- HF/LF/echo adjustment function and ducking function to meet the requirement of various applications
- Press one button to record, saving WAV format audio files
- FM radio function, automatically searching station, saving more than 50 channels
- Designed with infrared remote control to convenient operation mode, volume adjustment, recording and selecting songs
- High capacity Lithium battery, rechargeable, environment friendly

■ Application

Outdoor performance, square dance, promotion, training

■ Product content

WDA-500 speaker cabinet	1pc
Wireless microphone	1pc
Remote control	1pc
Power adapter (Gift)	1pc
AA battery	2 pcs
AAA battery	2 pcs
User manual	1pc

■ Specification

Speaker cabinet specification

Frequency Response: 20Hz-20KHz

Speaker: 5.25 inch *1 (full range)

Rated Power: 20W

Peak Power: 40W

Media Playing: TF card/USB, max 64G

Media Format: MP3, WAV

Battery: Li-ion battery

Battery Capacity: 7.4V \approx 4400mAh

Power Supply: DC \approx 12V/1A

Charging Time: approximate 4h

Operation Time: approximate 20h (60% volume)

Dimension: 285X151 X 338 mm (WDXH)

Net Weight: approximate 2.9kg

Transmitter (wireless microphone)

Cartridge: dynamic

Polar Pattern: unidirectional

Frequency Response: 60Hz-18KHz

Sensitivity: $-51\pm 3\text{dB}$ (0db=1V/Pa/m at 1KHz)

UHF: 650MHz-669.5MHz

Operation Range: approximate 40m open area

Power Supply: 1.5V AA batteries (2)

Dimension: $\Phi 36\text{mm} \times 245\text{ mm}$ (dia*L)

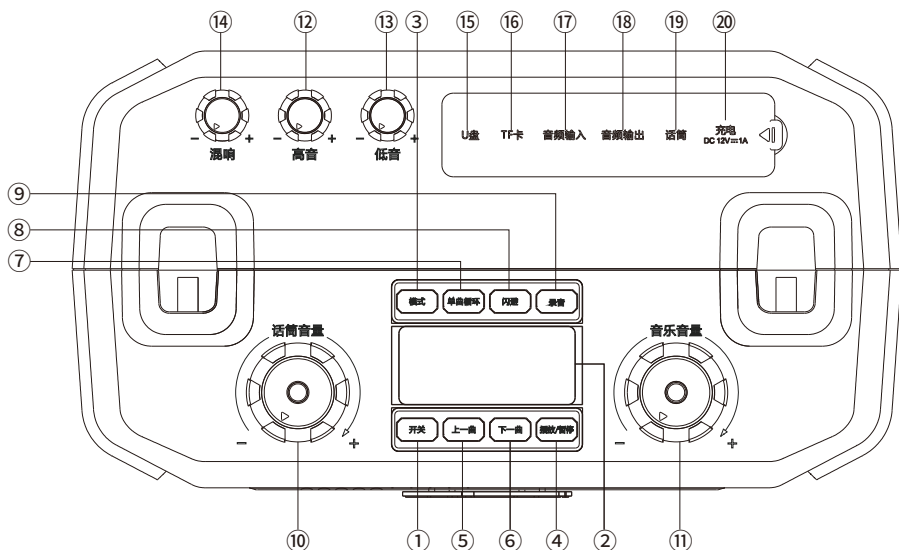
Net Weight: approximate 255g

Note: the above data are measured by Takstar laboratory and Takstar has the right of final interpretation.

Function instruction

A. Speaker cabinet

Front panel function



- ① Power switch: keep pressing it for 2 seconds to turn on/off the speaker cabinet. After turning on, LED screen displays UHF symbol. After turning off, it has the sound prompt “ turning off ” , and OFF symbol on LED screen lights off.
- ② LED screen: displaying the current operation mode, battery power, playing time, mic signal, etc.
- ③ Mode button: press it to switch the modes: wireless playing mode, TF card mode, USB mode, radio mode and audio input mode, and there is relative ound prompt.
- ④ Play/Pause button: during wireless playing/TF card mode/USB mode, press this button to pause/play music. In radio/audio input mode, press it to mute. In wireless playing mode, keep pressing it to stop playing. In radio mode, keep pressing it to enter into auto searching station, and the number display changes. After searching station, it plays the first channel. It can search and save more than 50 channels (depending on actual environment).

WDA-500 Portable speaker cabinet

- ⑤ Previous song button: press it for previous song. In radio mode, press it for previous channel.
- ⑥ Next song button: press it for next song. In radio mode, press it for next channel.
- ⑦ Repeat button: in TF card/USB mode and playing music, press it to switching repeat single or all music playing.
- ⑧ Ducking button: press it to turn on/off ducking function. During music playing or mic on status, turn on this function. Turn off it and the speaker cabinet goes back to playing music.
- ⑨ Recording button: in TF card mode and mic on status, press it to turn on/off the recording function. When on, it has the sound prompt Recording mode, and REC symbol flashes. “00: 00” means the recording time. Press this button again to stop and save the recording, and it has the sound prompt Recording stopped. It exits the recording and plays the recording content.
- ⑩ Mic vol knob: turn it clockwise to increase the volume and vice versa.
- ⑪ Music vol knob: turn it clockwise to increase the volume and vice versa.
- ⑫ HF knob: turn it clockwise to increase the volume and vice versa.
- ⑬ LF knob: turn it clockwise to increase the volume and vice versa.
- ⑭ Echo knob: turn it clockwise to increase the mic echo effect and vice versa.
- ⑮ USB interface: link with USB to play audio file.
- ⑯ “TF” TF card slot: insert TF card to play audio file and record.
Note: please ensure audio format in TF card and USB is MP3/WAV, otherwise it can not read the files. Before copy the songs to TF card or USB, format it according to FAT16/FAT32. The other ways of format (e.g. exFAT, NTFS) lead to that the recording can not be saved or the songs can not be played.
- ⑰ “Input” audio in connector: linking with external audio source equipment, E.g. PC/cell phone/tablet PC/MP3 via $\Phi 3.5$ mm audio cable.
- ⑱ “Output” audio out connector: linking with other speaker cabinet via $\Phi 3.5$ mm audio cable.
- ⑲ “MIC” mic connector: linking with dynamic mic of $\Phi 6.35$ mm connector.
- ⑳ Charging port: charging the speaker cabinet via power adapter.

WDA-500 Portable speaker cabinet

LED screen


1. Turning on symbol: after turning on, it displays UHF symbol. Refer to figure ①.
2. “” battery power: when the power is sufficient, it does not display the symbol. When insufficient, the symbol flashes, and it has the sound prompt “insufficient power, please charge” . During charging, the symbol is displayed. After being charged fully, the symbol disappears. Refer to figure ①.
3. Standby symbol: if there is no operation after turning on 15 minutes, it displays “— — —” symbol. This means the speaker cabinet is in standby status. Press any button to wake up. Refer to figure ②.
4. Operation mode: it displays the current operation mode. There are 5 modes as below:
 - (1) In wireless playing mode, it displays “bLUE” . Refer to figure③.
 - (2) In TF card mode, “00: 00” means the music playing time and recording time. Refer to figure ④. “0000” means the song number in TF card. Refer to figure ⑤.
 - (3) In USB mode, “00: 00” means the music playing time. Refer to figure ④. “0000” means the song number in USB. Refer to figure ⑤ .
 - (4) In radio mode, “00.0” means the station frequency. Refer to figure ⑥.
 - (5) In audio input mode, it displays AU. Refer to figure ⑦.



Figure ①

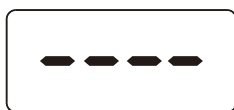


Figure ②



Figure ③



Figure ④



Figure ⑤



Figure ⑥



Figure ⑦



Figure ⑧

WDA-500 Portable speaker cabinet

5. Mic symbol: when mic is connected, it displays MIC symbol. When disconnected, the symbol disappears. Refer to figure ⑦.
6. Play/pause symbol: during music playing, it displays “00: 00” changing. When the music is paused, it displays “PAUS” . Refer to figure ⑧.
7. Ducking symbol: when on, it displays “F ON” . Refer to figure ⑨. When off, it displays “F OF” . Refer to figure ⑩.
8. Repeat symbol: in TF card or USB mode, it displays ALL for repeat all songs (refer to figure ⑪) or ONE for repeat one song (refer to figure ⑫).
9. Recording symbol: in the status of inserting TF card and connecting with mic, turn on recording. “00: 00” number changes and meanwhile “REC” symbol flashes. Refer to figure ⑬. During recording, “00: 00” number means the recording time.
10. EQ symbol: six types of EQ modes, EQ0 to EQ5. Refer to figure ⑭.



Figure ⑨



Figure ⑩



Figure ⑪



Figure ⑫



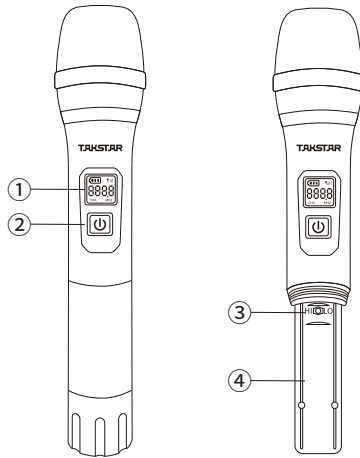
Figure ⑬



Figure ⑭

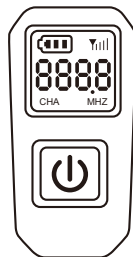
WDA-500 Portable speaker cabinet


B. Microphone



- ① LCD: displaying frequency, mic signal, battery power, etc;
- ② Power switch: keep pressing it for 3 seconds to turn on/off the microphone. Press it to adjust mic volume (U08-U11), totally four levels. When adjusting mic volume, the speaker cabinet has sound prompt.
- ③ “HI/LQ” button: used for matching frequency operation. Refer to “matching frequency” section in this manual for details.
- ④ Battery compartment: it loads two 1.5V AA batteries.

Mic display



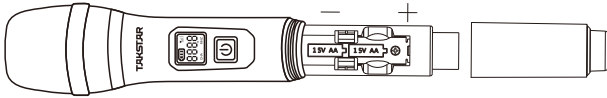
1. Battery power: three level in all. When the battery power is in sufficient, the symbol flashes. Please replace the batteries in time.
2. Signal symbol: “” means the mic signal.

WDA-500 Portable speaker cabinet

- 3. Frequency information: displaying the current mic operation frequency, (650MHz-669.5MHz) 15 frequencies in all. During frequency matching, it flashes.
- 4. Volume information: when mic volume is adjusted, the screen displays “U 00” . This means the mic volume level. After 3 seconds, it displays the frequency information.

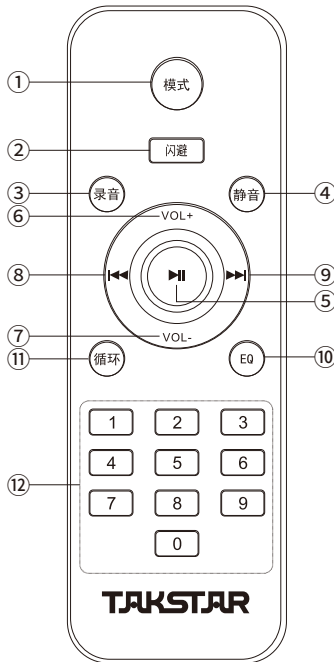
Loading mic batteries

Turn the mic tail section counterclockwise to open the battery compartment and load two AA batteries according to correct polarity. Turn it clockwise to assemble. Refer to the figure below.



C. Remote control

Remote control panel function



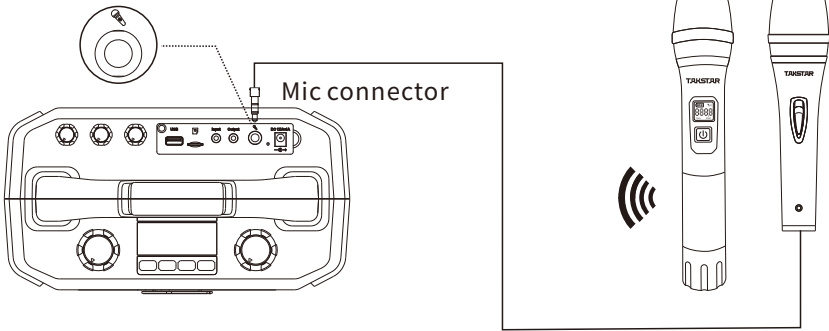
WDA-500 Portable speaker cabinet

- ① Button: switching operation mode. Refer to the panel mode section for Details.
- ② Ducking button: turning on/off ducking function. Refer to the ducking section for details.
- ③ Recording button: turning on/off recording function. Refer to the recording section for details.
- ④ Mute button: press it to turn on/off the mute function (does not affect mic Sound).
- ⑤ Play/pause button: play/pause music. Refer to play/pause section for details.
- ⑥ “VOL+” button: press it to increase the volume (30 levels in all. There is sound prompt when it is adjusted to the highest level). It does not affect the mic Sound.
- ⑦ “VOL-” button: press it to decrease the volume (30 levels in all). It does not affect the mic sound.
- ⑧ Previous song button: press it to adjust to previous song or channel (keep pressing it for fast forward).
- ⑨ Next song button: press it to adjust to next song or channel (keep pressing it for rewind).
- ⑩ EQ button: press it to switch 6 EQ effect, Eq0 ~ Eq5 displayed
- ⑪ Repeat button: press to switch music playing order. Refer to the panel function section for details.
- ⑫ “0-9” button: in TF card and USB mode, press the number for the relative song Playing.

■ Microphone Operation

A. Connecting with microphone

Select wired or wireless microphone according to actual requirement. If you select wired microphone, connect dynamic microphone with $\Phi 6.35\text{mm}$ of speaker cabinet. If you select wireless microphone, match the mic with speaker cabinet. If the mic has no sound, refer to the matching section for the matching details. Refer to the figure:



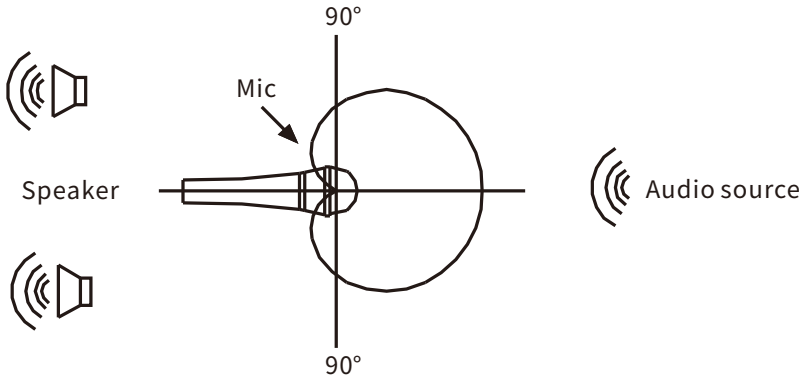
B. Holding microphone correctly

1. Put the mic away from you mouth in a range 5~15cm. Too close range leads to distortion due to over-modulation. Too far range decreases S/N ratio due to less modulation.
2. Hold the middle part of microphone. Do not hold the mic grille to avoid feedback. Do not hold the mic tail part to avoid affecting mic signal.
3. Put the mic away from speaker cabinet and do not point the cartridge to the speaker to avoid feedback.



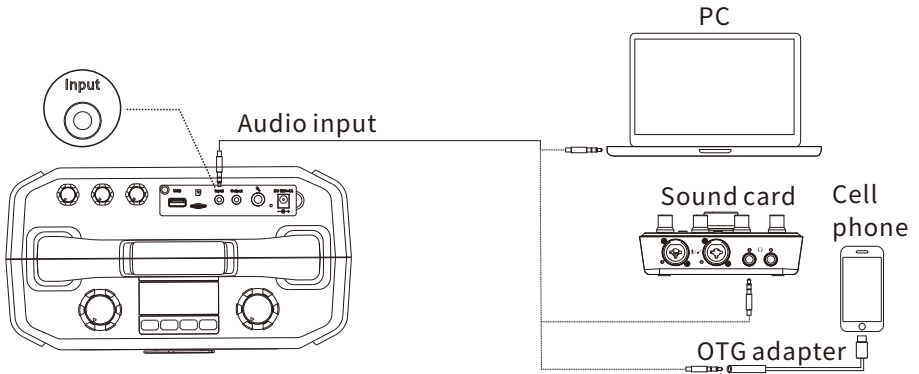
Holding diagram

WDA-500 Portable speaker cabinet



C. Connecting with cell phone/PC/mixer/sound card

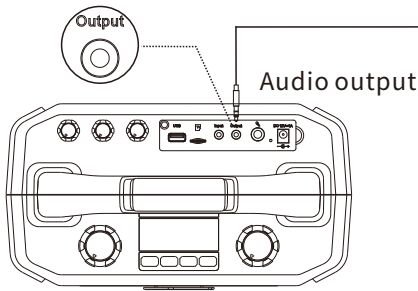
Connect one end of $\Phi 3.5\text{mm}$ audio cable with $\Phi 3.5\text{mm}$ connector of speaker cabinet, and the other end with the output connector of cell phone/PC/sound card. If the cell phone has no $\Phi 3.5\text{mm}$ connector, use OTG adapter (buy additionally). Refer to the figure:



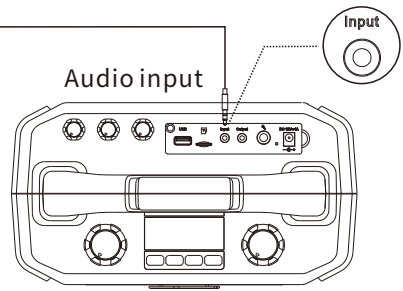
D. Serial connection

WDA-500 supports serial connection for multiple speaker cabinet reinforcement simultaneously. Link the out connector of the first speaker cabinet with the in connector of the second one via $\Phi 3.5\text{mm}$ audio cable.

WDA-500 Portable speaker cabinet



The current operating one



The second one

E. Matching frequency

This product has been matched well in factory. If there is signal interference, match again according to the steps below:

1. Matching

- ① At first, mic and speaker cabinet are in turning off status.
- ② Turn on wireless microphone. Disassemble the mic tail tube. Keep pressing "HI/LO" button for 3 seconds. When the screen flashes quickly, release it. Turn on the speaker cabinet at once for matching. If the speaker cabinet is not turned on in 10 seconds, the matching fails.
- ③ It takes about 10 seconds for matching. When wireless mic frequency turns flashing to lighting up and the speaker cabinet screen displays MIC, this means the matching is successful. If the speaker cabinet screen does not display MIC, this means the matching is unsuccessful. Matching them again according to the way mentioned above.

2. Changing frequency

Turn on the speaker cabinet and mic. Press "HI/LO" button to change frequency. The screen displays "00.0 MHz" with the number changing.


WDA-500 Portable speaker cabinet

F. Matching for wireless playing

If the speaker cabinet is used for the first time, it needs to match with cell phone or wireless playing equipment as the steps below:

- ① Turn on the speaker cabinet. Press mode button. When the screen flashes “bLUE” , this means it is in searching and matching status.
- ② Enter into cell phone Setting menu. Turn on the cell phone wireless function. When it searches “TAKSTAR WDA-500” ,click “TAKSTAR WDA-500” for Connection.
- ③ When the speaker cabinet is turned on a second time and wireless mode is selected, it matches with the playing equipment matched previously.
- ④ In the status of matching is successful, keep pressing “play/pause” button to stop the playing.

■ Charging instruction

1. Please use the standard adapter for charging. Use the standard to connect with AC~220V power socket and the speaker cabinet DC connector. Refer to the figure below:
2. When the speaker cabinet is turned on, the power symbol “” flashes and there is sound prompt: “insufficient power, please charge” . This means the low battery voltage.
3. During charging, it displays the power symbol. This means it is being charged. When the power symbol disappears, this means it is being charged fully.
4. Please use standard power adapter to charge WDA-500. It takes about 4h. When it is charged fully, please stop the charging.

Note: when it is used for the first time, it is recommended to charge it fully before operation. If it will not be used for a long time, please charge the speaker cabinet every half year to avoid over-discharging.

■ Caution

To avoid electric shock, over temperature, catching fire, explosion, mechanical risk and hurt or property loss caused by improper use, please read the following items carefully before operation:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high volume level for a long time to avoid abnormal functioning or hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket, and send the product to local dealer for maintenance.
3. Using battery of broken insulation material is forbidden to avoid short circuit. Please do not charge the non-rechargeable battery.
4. Put the waste battery into classification dustbin rather than used as toy by children or discarded directly to avoid potential danger or affecting the Environment.
5. If this product will not be used for more than one week, take out the battery to prevent from damage due to battery leakage.
6. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function Destroyed.
7. Put the product 60cm away from PC/TV due to the strong magnetic field.
8. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
9. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
10. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer. Please use the accessories designated by supplier.
11. Please use the supplied adapter for charging. If you want to buy one, please buy one with CCC certification and meeting the requirement of standard (voltage less than 12V and current less than 1A).

WDA-500 Portable speaker cabinet

12. The applicable altitude and climate condition of this product is subject to the Power adaptor, the meaning of the power adaptor icons is as below:



Applicable to the altitude below 2000m only



Applicable to the non-tropical climate conditions only

■ The meaning of Icon



This icon indicates that the adapter of the product meets the 3C certification requirements of "China Compulsory Product Certification".

SRRC

The icon indicates that the product conforms to the radio approval certification of the National Radio Regulatory Commission.



This icon means the equipment is only suitable for indoor application.



The icon indicates that the equipment meets the double insulation requirements of class II electrical appliances.



This symbol indicates that according to WEEE Directive (2012 / 19 / EU) and national laws, this type of waste will have potential harmful substances, which may have a negative impact on the environment and human health, so this product should not be disposed together with your household waste, and should be handed over to the authorized electrical and electronic equipment (WEEE) recycling station for recycling. At the same time, when you handle this product correctly, it will help the effective use of natural resources. For more information on where you can place your waste recycling equipment, please contact your local city office, Waste Management Bureau or household waste treatment service.

■ About the user manual

For more information, please visit our website: <https://www.takstar.com/>. Takstar reserves the final interpretation right!

注意事项：

1. 本单为保修凭证，请用户妥善保管，如有遗失，恕不保修或退换。
2. 保修期限制：购买之日起十二个月内。
3. 除了不可抗力事件损坏外，由本公司负责，免费维修。
4. 如属保管不善或使用不当造成的损坏，维修点将酌情收费。
5. 擅自拆卸维修者，不予保修。
6. 以上保修条款仅限于中国市场适用（不含港澳台地区）。

产品服务保证书

姓名：_____ 电话：_____ 地址：_____

商品：_____ 型号：_____ 购买日期：_____ 年 ___ 月 ___ 日

维修记录栏（由维修员填写）	维修员签名	日期



扫一扫，了解更多产品
Scan for more
product information

广东省电声工程技术研究开发中心 广东得胜电子有限公司制造

地址：广东省惠州市博罗县龙溪街道富康一路2号
服务热线：400 6828 333 传真：0752-6383950
邮箱：xs@takstar.com
网址：www.takstar.com

Guangdong Takstar Electronic Co., Ltd.
Address: No. 2 Fu Kang Yi Rd., Longxi Boluo
Huizhou, Guangdong 516121 China
Tel: 86 752 6383644 Fax: 86 752 6383952
Email: sales@takstar.com
Website: www.takstar.com

GB 8898-2011
9TSDA500S1A