



# User guide for Hanshow transmitter

## HS\_C09556 Senior

**Version: v3.5.0**

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Zhejiang Hanshow Technology Co.,Ltd.  
Address: 18F, Building C, Ruipu Plaza, No.15, Hongjuniyong South Rd, Chaoyang District, Beijing, China  
Tel: +86-10-84998688  
Website: [www.hanshow.me](http://www.hanshow.me)

## Zhejiang Hanshow Technology Co.,Ltd.

### 1. Hanshow transmitter package list



Figure 1-1 transmitter package

#### 1.1 Base station package contains following equipment:

Equipment	Quantity	Figure
Transmitter	One	Figure 1-2
Transmitter holder	One	Figure 1-3
Fixing bolts	Two (sets)	Figure 1-4
Slip pads	Two	Figure 1-5

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Figure 1-2 transmitter



Figure 1-3 transmitter holder



Figure 1-4 fixing bolts



Figure 1-5 slip pads

## 2. Hanshow transmitter description

### 2.1 Physical interface descriptions

#### 2.1.1 The front panel



Figure 2-1 transmitter front panel

#### 2.1.2 The back panel



Figure 2-2 transmitter back panel

#### Notes:

- ① Power port (Not used)
- ② Reset button
- ③ Network cable port (Supply power for the transmitter with POE)

④ COM debugging port (RS232)

⑤ RF antenna port

## 2.2 Electronics and electrical characteristics

### 2.2.1 module characteristics

RF module	
<b>Operating frequency</b>	2.410~2.480 GHz
<b>Modulation</b>	FSK / GFSK
<b>Data Rate</b>	2Kbps ~ 500K bps
<b>Quantity of Channels</b>	141
<b>Channel Separation</b>	500KHz
<b>Transmitting power</b>	-2dBm
<b>Super high sensitivity</b>	- 95dBm at 500Kbps - 97dBm at 250Kbps - 104dBm at 25Kbps - 107dBm at 2Kbps
Ethernet module	
<b>Connection speed</b>	10M/100M
<b>Auto-negotiation</b>	Support
<b>Auto-turnover</b>	Support
<b>DHCP</b>	Support
<b>Other protocols supported</b>	TCP/IP, ICMP, ARP, IGMP, PPPoE
POE module	
<b>Input voltage</b>	36 ~ 57V DC
<b>Output voltage</b>	5V

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<b>Rated current</b>	1A
<b>Maximum power</b>	5W
<b>Standard</b>	IEEE 802.3, compatible pre-standard(legacy) POE



Product name: Hanshow ESL system

Company: Zhejiang Hanshow Technology Co.,Ltd.

Address: Room 1803/1903, Building C, Ruipu Plaza, No.15, Hongjunying South Rd,  
Chaoyang District, Beijing, China

Postcode: 100012

Service Tel: +86-4000-365-305

Service E-mail: sales@hanshows.com

Website: [www.hanshow.me](http://www.hanshow.me)

Tel: +86-10-84998688

Fax: +86-10-84933937

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## FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.