



User guide for Hanshow transmitter

HS_C09556 Senior

Version: v3.5.0

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

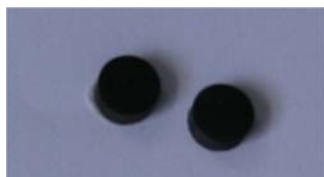


Figure 1-5 slip pads

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

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



Product name: Hanshow ESL system

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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.