

# "1+1" host/backup integrated coaxial switcher

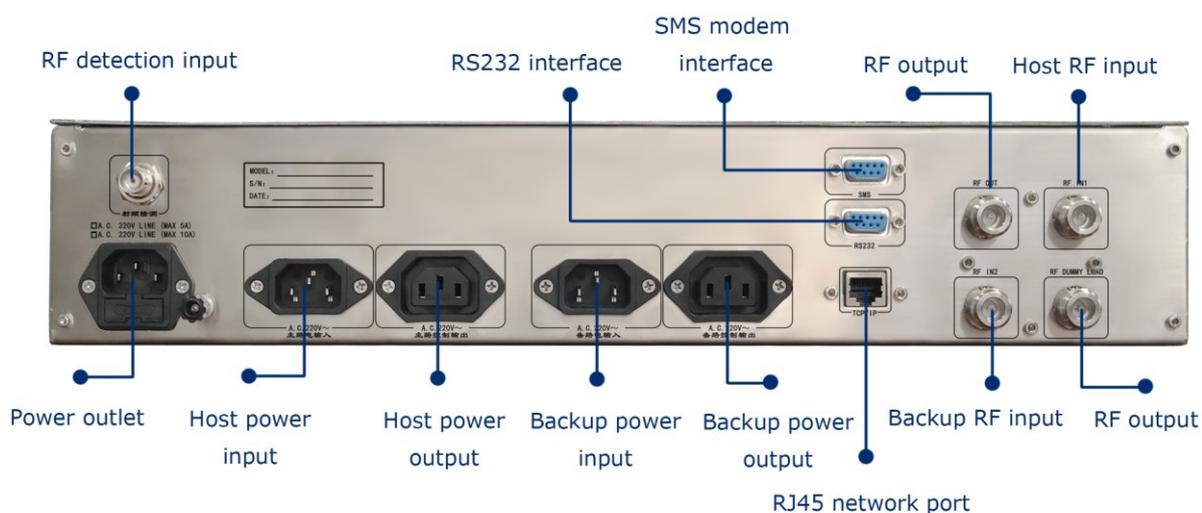
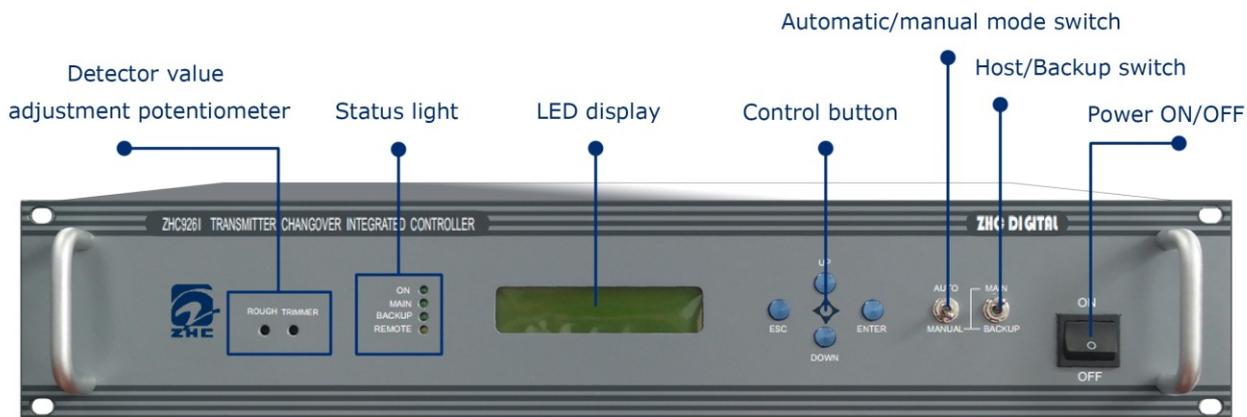
## Product Description

The ZHC926I series host/backup switching integrated machine is a special equipment designed for the "1+1" master/backup switching system of broadcast and television transmitting stations, and is used to control the manual or automatic switching of the host/backup transmitter. Compared with the traditional host-backup switching equipment or system, the host/backup switching integrated machine has the advantages of a **built-in coaxial switcher, no need transmitter communication protocol, it's small size and convenient for installation.**

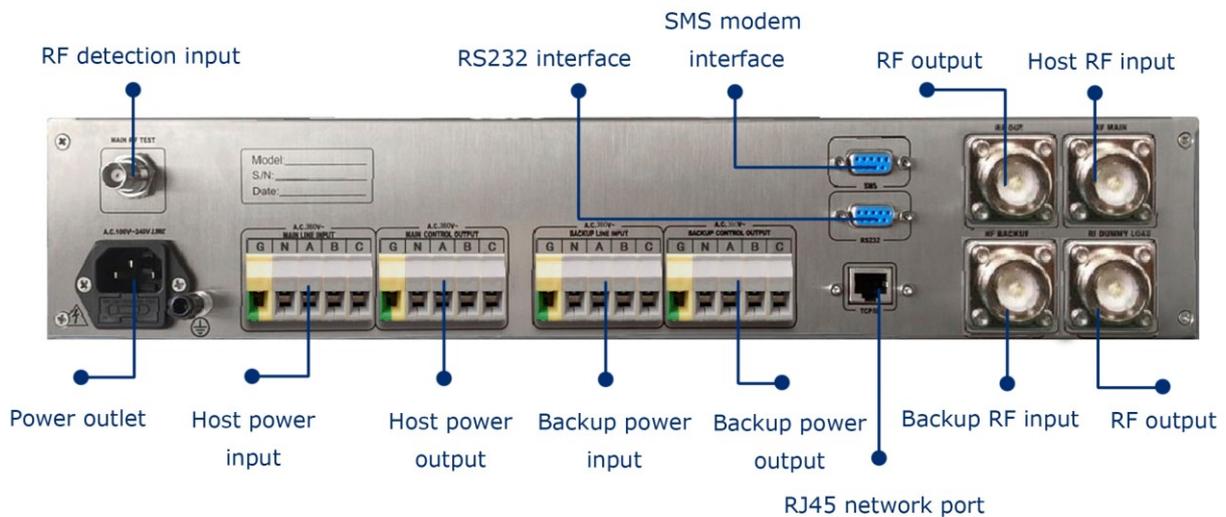
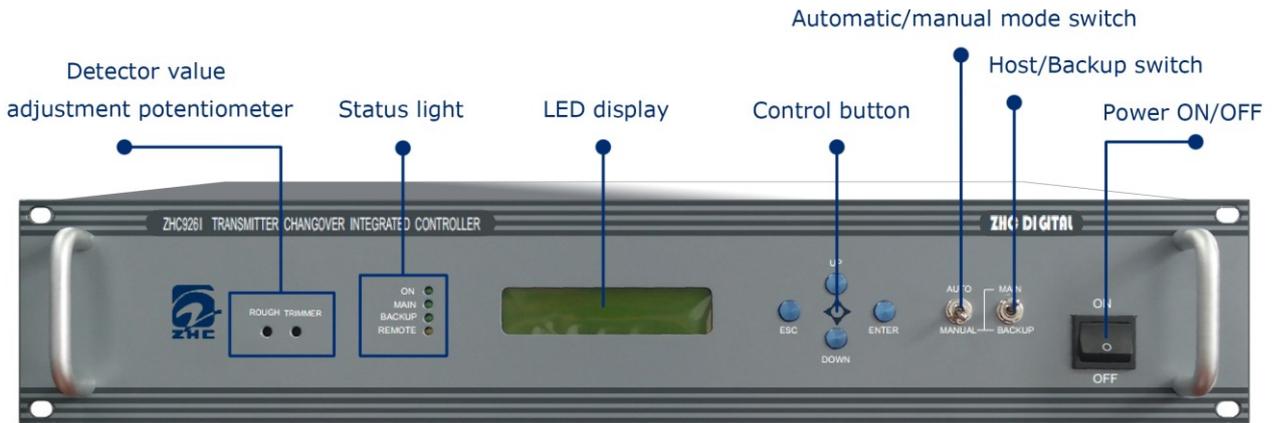
**In automatic switching mode**, the all-in-one will automatically detect the working status of the host transmitter. When the output power of the host is lower than the preset switching threshold, the all-in-one will control the built-in coaxial switch and the power supply of the host and backup transmitters, and automatically switch to the backup transmitter works to achieve uninterrupted broadcast.

**In manual switching mode**, you can manually operate through the panel switch to select the host or backup transmitter to complete the switching control of the coaxial switch and the power of the host and backup transmitters.

The ZHC926I series host and backup switching integrated machines are divided into two RF power levels: **300W and 1KW.**



### ZHC926I-300W front & back panel

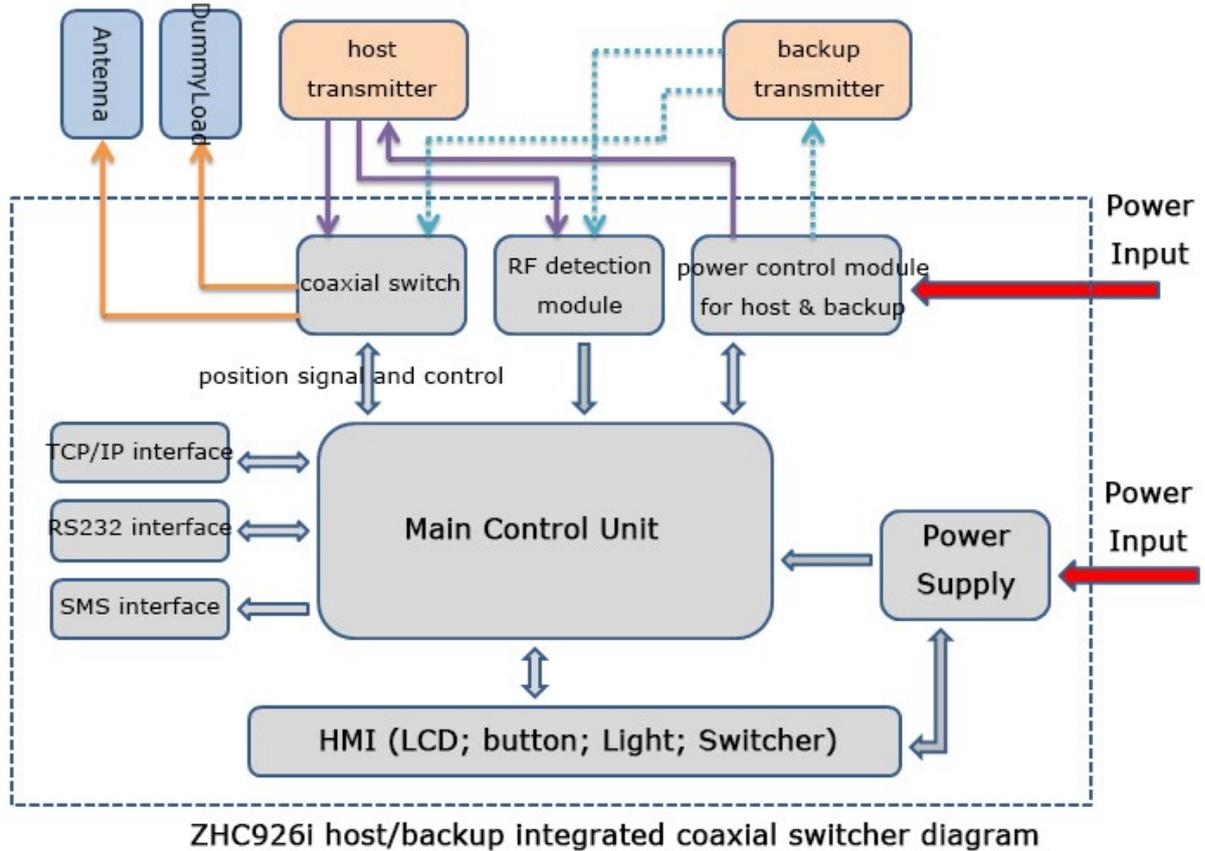


**ZHC926I-1KW front & back panel**

### Technical Features

- The **switching threshold is calibrated by the user**
- LCD real-time display of the working status of the host and backup
- **Built-in coaxial switcher**, easy to install
- The function of maintaining the host/backup state **after power failure**
- **Remote monitoring** of all-in-one machine can be realized through remote interface
- Using **high-speed MCU** processor control, stable and reliable performance
- Two power levels: **300W (N connector, 220V power supply for transmitter)**  
**1KW (7/16" connector, transmitter 220V or 380V power supply)**
- Applicable to any brand transmitter, **without transmitter communication protocol**

## Working Principle Diagram



## Main Technical Specifications

**Electrical parameter table**

Transmitter power	ZHC926I-300W	0~300W (Transmitter 220V)
	ZHC926I-1KW	0~1KW (Transmitter 220V or 380V)
Host transmitter RF detection output range		-5~+10dBm
Switching time		User-defined
Communication Interface		RS232; TCP/IP; SMS modem
Power supply		AC220V/50Hz
Power consumption		20W

**Physical properties table**

RF input detection interface	BNC
RF input and output	ZHC926I-300W: N type
	ZHC926I-1KW: 7/16"DIN female
RS232 interface	DB9
SMS modem interface	DB9
Ethernet interface	RJ45
Chassis standard	19 inch
Chassis size	2U(440mm×88mm×445mm)
equipment weight	3.5KG
Operating environment temperature	-15~+50℃
Relative humidity	<95%