



IBS200

Audio switcher with on-board player and network control

Infomedia IBS200 is an innovative audio switcher with 4 inputs, 1 digital output and 1 analog output. The input can be either in AES or analog XLR balanced, and the 4th input can be preconfigured to either an external audio input or an on-board audio player.

IBS200 can automatically switch to the secondary input if the primary source fails (loss of audio or loss of digital clock or data error, etc.). The 3rd or 4th source can automatically be switched to if the two (or three) sources fail.

The priority of source and time delay before action can be user definable. Threshold of silence detection is also user definable.

IBS200 has one digital and one analog output simultaneously, no matter a digital or an analog source is switched to.

Besides operating automatically IBS200 can be controlled from a PC on the IP network or from the push buttons on the front panel.

Manual or automatic mode can be selected with front panel or PC software allowing mode be changed automatically according to RTC(Real Time Clock). The RTC can be automatically synchronized to the time server on the network

IBS200 equipped with redundant power supply. In case of power failure an internal direct relay bypass is provided between digital input and output and between analog input and output.

IBS200 operates at 24Bit,48Khz, SRC (Sample Rate Conversion) provided for all digital inputs.

IBS200 has a 512MB SLC flash memory audio player on board. The non-stop player plays sound file 24 hours from RAM instead of flash memory considering the limited lifetime of flash memory. All the sound files are loaded to RAM right after reboot.

IBS200 has a hardware crosspoint switcher based on FPGA instead of any CPU or DSP. With less complicated software involved FPGA is more reliable and stable.

All the inputs and outputs can be monitored and metered via IP network as well as front panel. Both the digital and analog outputs are re-sampled for metering and monitoring.

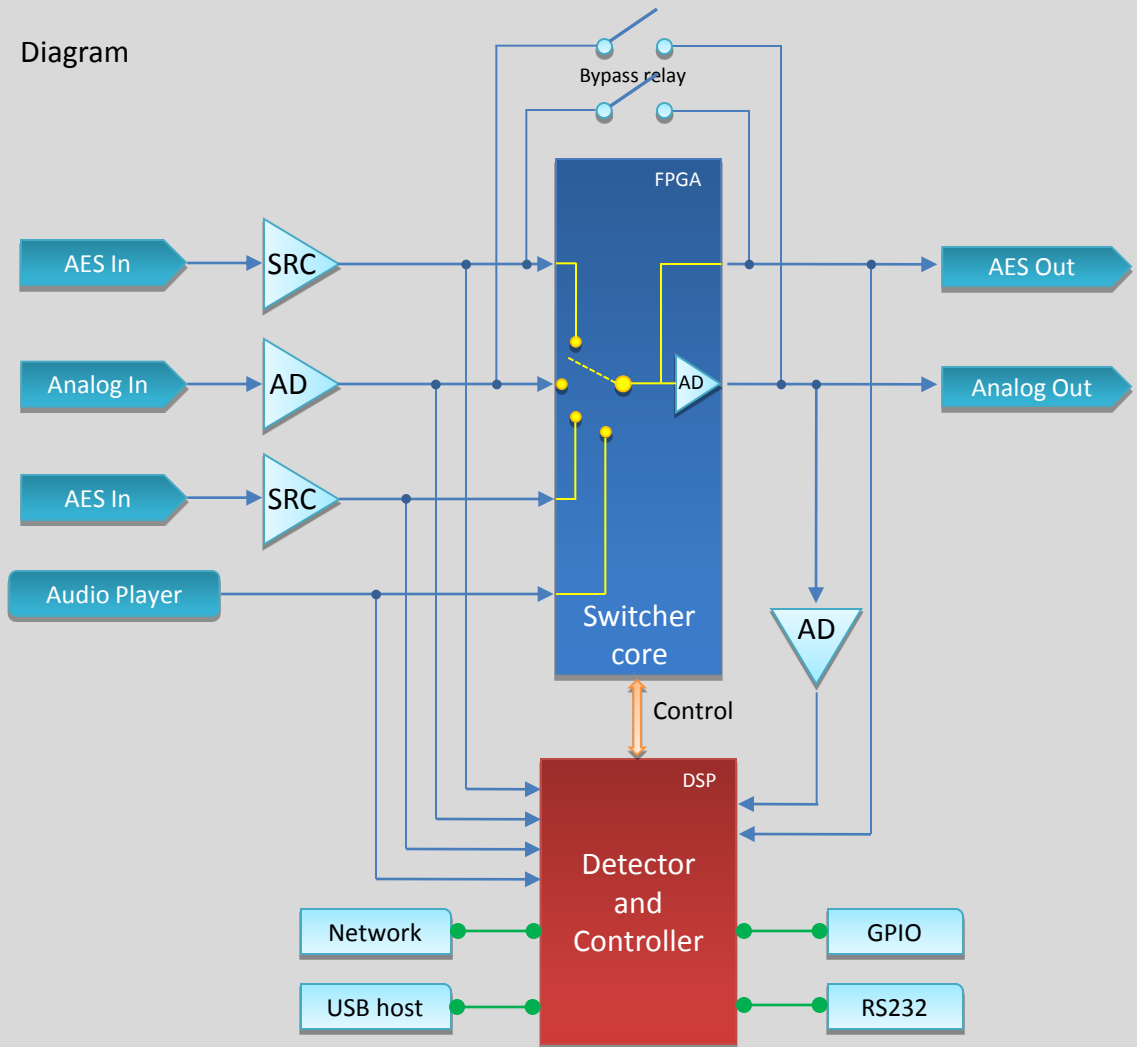
A DSP board is in charge of detecting loss of input/output and network facilities.

The audio data is steamed by IBS200 onto the network in RTP packet.

IBS200 also has GPIO and RS232 port on the rear panel. An external alarming device can be controlled via GPO.



Diagram

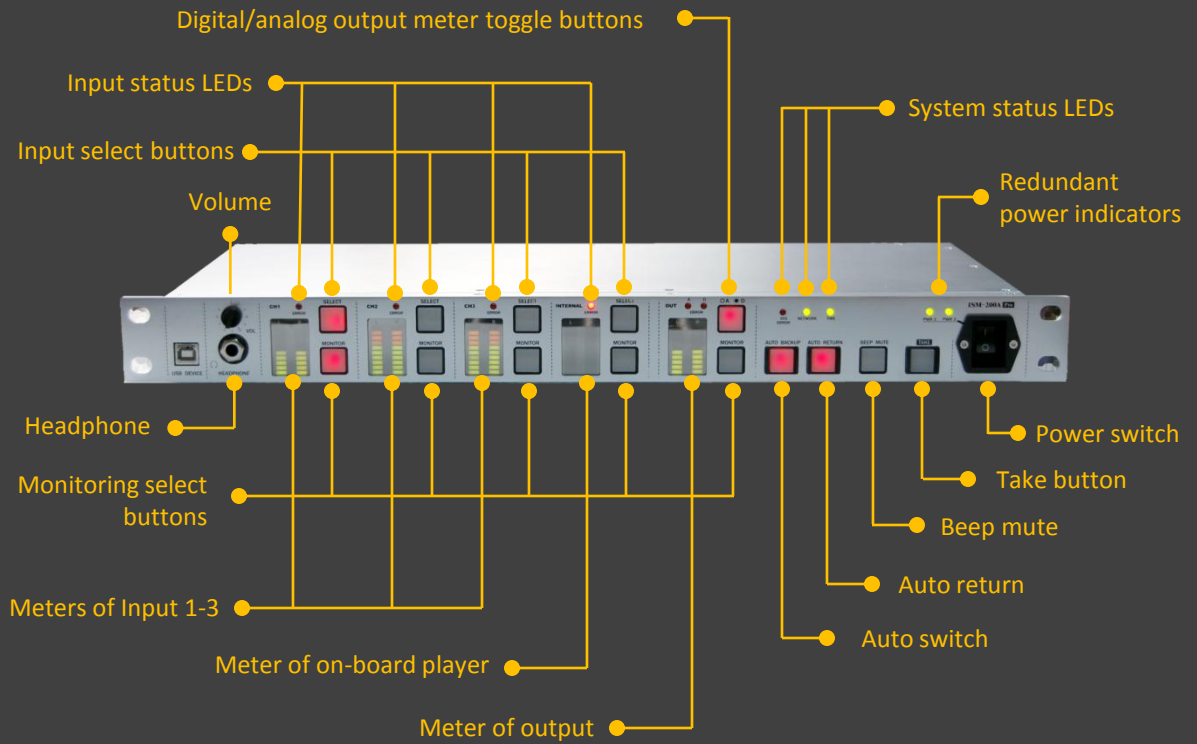


Specifications

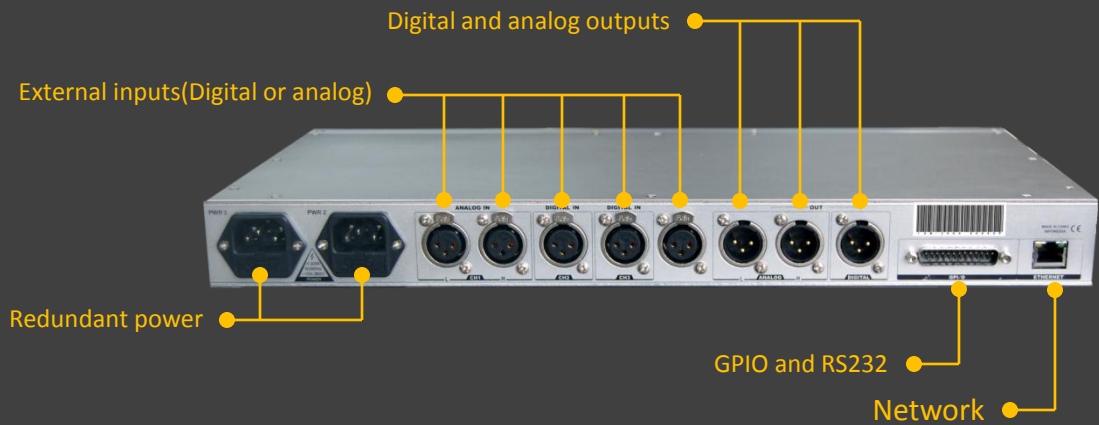
Analog Input/Output	XLR balanced
Analog max In/Out level	+24dBu
Digital Input/Output	AES3-1992
Digital Input SRC	Yes
Analog dynamic range	≥105dB
Analog SNR	≥92dB
Frequency response	±0.1dB, 20-20KHz,@+4dBu
THD+N	≤0.01%
Sample depth	24Bit
Sample rate	48Khz

Specification subject to change without notice

Front Panel



Rear Panel



Software delivered with IBS200



IBS200 virtual panel software

IBS200 can work together with many equipments to with ControlMaster™ MCR software



Infomedia ControlMaster™ software can integrate the following equipments into a seamless MCR system,

- ✦ Infomedia EtherAudio™ network audio routing unit
 - ✦ Infomedia ADA100 audio distribution amplifier with network monitoring
 - ✦ Infomedia MAD1 streamer
 - ✦ Infomedia MediaLogger logging system
 - ✦ Infomedia ISP universal crosspoint switch button panel with IP control
 - ✦ LAWO router and mixing console
 - ✦ STUDER router and mixing console
 - ✦ NTP router
 - ✦ AEQ router and mixing console
 - ✦ Norway network router
 - ✦ Axia router and mixing console
 - ✦ Klotz router and mixing console
 - ✦ IP camera for surveillance
 - ✦ Temperature / humidity sensor
 - ✦ Infomedia off-air monitoring system
- And many more...

Other Features

- On-board flash memory player supports MP3,MP2,Wave,BWF,etc
- Soundfile can be uploaded to IBS200 via network or USB.
- Automatic correction of anti-phase, loss of channel.
- GPIO on rear panel, GPO can control an external alarming device.
- Source priority and alarming activation can be set automatically by timing.
- Timetable can be managed via network with IBS200explorer software.
- RTC onboard, automatic calibration with a time server on the network.
- On-board temperature/humidity sensor and power supply sensor.

Get more information

Please visit

www.infomedia.com.cn/english

Infomedia Digital Technology Co., Ltd

Headquater

Beijing office

ADD: Building B, Institute of printing technology of China, No 2,Cuiweilu, Haidian , Beijing

PHONE: +86 10 5165 0197

EMAIL: sales@infomedia.com.cn