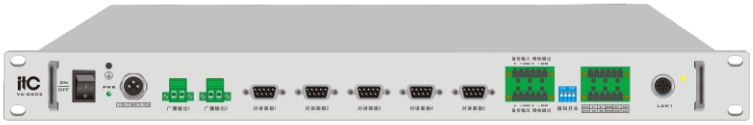
Broadcast Controller VA-6602

Rail Transit Vehicle Intelligent Broadcasting Software V7.65



Description

The broadcast controller adopts digital and analog dual-link backup design, has built-in digital audio codec unit and 100W power amplifier to receives and decode the broadcast audio stream issued by the PIS broadcast control controller in real time.

Feature:

* The controller adopts standard aluminum alloy cabinet design, with 1U size of 484*201*44.5mm, simple appearance, solid and durable;
* Mute design, no fan design, low power consumption design, controllable temperature of the whole machine, ensuring quiet environment;
* Adopt 2 channels of broadcast and audio synchronous output interface, use constant resistance speakers, achieve 2 channels of 5 speakers in parallel, ensuring the same volume in every corner of the carriage;
* Integrate 5-channel intercom DB9 interface with lock, which supports access to 5 emergency intercom panels at the same time. One line can complete the integrated power supply, audio signal transmission and control signal transmission of the intercom interface, which is convenient for on-site installation and debugging;
* Integrate 2-channel RS485 communication interface, support access to two noise detection units at the same time to realize automatic adjustment of broadcast volume. Detect environmental noise in real time through noise detection module, and automatically set the broadcast volume to always be 10~15dB higher than the environmental noise, ensuring clear and loud broadcast volume;
* Integrate a 4-digit DIP switch, and configure device IP by the DIP switch according to parameters such as room number and equipment type, which is convenient for system equipment management and upgrade;
* With 1 channel of 100M M12 network port, full digital transmission technology, high anti-interference ability;
* Dual-link transmission of broadcast audio signals adopts high-fidelity PCM digital audio signals as the main transmission link, and analog audio transmission as the backup link to ensure that the broadcast system can work normally when the network is paralyzed;
* Built-in 100W digital D class power amplifier can drive and output 2 channels of 5*10W/16 ohm full-frequency constant-impedance speakers at the same time;
* Adopt high-performance audio processing chip design, with wide frequency response (317Hz ~ 3.4kHz), high noise-to-noise ratio and low transmission delay (≤20ms);
* The equipment will automatically go online when powered on, automatically search and connect to the broadcast control controller; support self-diagnosis when device is faulty, and fault information will be automatically reported;
* With industrial design, meet the requirements of the train operating environment and support the operation in the environment of -20℃ ~65℃;

Specification

Operating language	Chinese/English/custom language
Network interface	M12
Audio interface	2-channel Phoenix head broadcast output interface with lock;5-channel DB9 intercom interface with lock;
Broadcast output	2 channel of 5*10W/16 ohms
Software upgrade	Support network upgrade
Network protocol	Support TCP, UDP, RTMP, RTSP, FTP, DHCP, HTTP protocols
Control interface	2-channel RS-485 noise detection interface
Weight	2.5kg
Dimension	484*201*44.5mm
Electrical characteristics	110V 0.3A DC
Working temperature (℃)	-20℃-65℃