

PRIMA-VA/680RC

Order no.: 1001529

PRODUCT INFORMATION

PRIMA-VA/680RC is a compact PA/VA controller featuring six loudspeaker outputs. It is equipped with six integrated, highly efficient Class D amplifiers and supports a loudspeaker output power of 250 watts per zone, simplifying system wiring and installation. One amplifier can also be used as a backup amplifier.

PRIMA-VA/680RC is based on advanced matrix control functions and features a digital message player, front-panel access for a fully monitored fireman's microphone, and trigger buttons for emergency messages. The controller incorporates our latest “Flexcontrol” technology, providing a high degree of flexibility for system configuration. The six controls on the front panel can be freely assigned to various settings.

The controller features eight monitored logic control inputs, eight relay outputs, two interfaces for paging consoles such as the PSS-G2 and PSM8WJB, two balanced audio inputs for connecting sources such as music players and wireless microphones, one audio output for control by external devices, one Ethernet port, and six independent 240-watt/100-volt outputs. A 5-pin XLR connector for the optional monitored PRIMA-VA/FM fireman's microphone is located on the front panel.

Thanks to its IP connectivity, the PRIMA-VA/680RC is extremely flexible. The system is SIP-compatible and can be connected to the complete range of Vox@ Audio-over-IP products as well as the Vox@net g2 Audio-over-IP software. This also enables networking with additional sources and devices.

Up to 256 PRIMA-VA systems can be interconnected. From a standalone solution to an IP-networked application, the PRIMA-VA system can be easily adapted to a wide range of applications.

Thanks to its web browser interface, the PRIMA-VA/680RC can be configured easily in both “Basic” and “Advanced” modes. Numerous parameters, including volume control, priorities, source

selection, and others, can be configured via the web server.

As a voice alarm and evacuation system, PRIMA-VA is certified in accordance with EN 54-16. All components and peripheral devices are continuously monitored, and all events, including faults and alarms, are recorded in a log file that can be viewed using a web browser.

Digital controller with 6 built-in Class D amplifiers and a battery charger

- Six monitored Class D amplifiers
- 250 W output power per channel
- 800 W maximum total output power across all outputs
- Integrated battery charger
- Up to six loudspeaker zones, up to five loudspeaker zones with one backup amplifier, or up to three A/B loudspeaker zones
- Simultaneous distribution of six different audio sources to six zones
- Continuous loudspeaker line monitoring
- Freely assignable functions for the potentiometers
- Up to four simultaneous IP audio streams
- Up to four message players
- Message storage capacity of more than one hour in MP3 format
- IP connectivity compatible with Vox@ and Vox@net g2
- Easy integration into IP PBX systems via SIP
- Up to 256 PRIMA-VA systems can be interconnected
- SNMP protocol for remote monitoring
- Audio output for control by external devices
- 482 mm rack installation (19")

Manufacturer information

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Safety Notes and Warning Messages

The unit uses dangerous mains voltage. Leave servicing to skilled personnel only and do not insert anything into the air vents. Inexpert handling may result in electric shock.
During operation, there may be a hazard of contact with a dangerous voltage of up to 100 V at the speaker terminals. Always switch off the amplifier before making or changing any connections.
Do not operate the unit and disconnect the mains plug from the socket immediately if the unit or the mains cable is visibly damaged; if a defect might have occurred after the unit was dropped or suffered a similar accident, if malfunctions occur. In any case, the unit must be repaired by skilled personnel.
The unit is suitable for indoor use only. Protect it against dripping water and splash water, high air

humidity and heat (admissible ambient temperature range: 0 - 40 °C).
Never pull the mains cable to disconnect the mains plug from the socket, always seize the plug.
The heat generated inside the unit must be dissipated by air circulation; never cover the air vents of the housing.
If the unit is to be put out of operation permanently, take it to a local recycling plant for a disposal which is not harmful to the environment.

SPECIFICATIONS

PRIMA-VA/680RC	
Peak output power	800 W
Power rating	800 W
Power rating at 100 V	6 x 250 W
Zones	6
Inputs	3.8 V/22 kΩ (mic/line)
Frequency range	20-20,000 Hz
S/N ratio	87 dB
THD	< 0.2%
Phantom power	DC 24 V
Power supply	˜ 110-230 V/50-60 Hz optional battery DC 24 V/60 Ah
Mains voltage	~ 230 V
Mains frequency	50-60 Hz
Admiss. ambient temp.	-10 °C to +50 °C
Width	482 mm
Height	88 mm
Depth	432 mm
Rack units, RU	2
Weight	8.2 kg
Connections	Plug-in screw terminals (audio inputs) 5-pole XLR (optional fire brigade microphone) Plug-in screw terminals (outputs) 1 x RJ45 (ethernet)
Packaging dimensions (W x H x L)	0.482 × 0.088 × 0.432 m
Gross weight	9.9 kg
Net weight	8.2 kg

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