

# Voxtronic.



## Join™ VLC

Analog- and (Ro)IP-Gateway



**Robust.**



## Benefits

Central user friendly management, cost savings through energy efficiency and integration of existing infrastructure into modern IP networks. Integrated recording and documentation of communication processes. Excellent audio quality by using state-of-the-art codecs.

Join™ VLC is made for use in a wide variety of environments. This is achieved by different designs and a decentralized system concept. The components are robust and ideally suited for professional use.

### Design

With different designs, Join™ VLC can be integrated into any infrastructure (stationary, mobile). Installation in 19" technology can be realized by subracks or case. For mobile use, a single case is available.

### Redundancy / Reliability

Depending on the design, power supplies are redundant as well as in DC and/or AC technology available.

The subrack supports a redundant IP connection.

### Hotswap

System components can be changed during operation.

### Maintenance free

Join™ VLC has no moving parts and is therefore completely maintenance free.

### Decentralized

Reliability in the network due to decentralized operation.

**Voxtronic.**



## Scope of application

Join™ VLC is specifically designed for use with government agencies and public transport (railways, airports, ...).

Due to the permanent further development also new requirements can be realized. The open concept also allows Join™ VLC to be used in third-party products.

### Radio

Analog and digital radio, train radio as well as trunked radio can be connected via 2-wire or 4-wire. The control (PTT, squelch) takes place via contacts or center tapping. The transmission of additional data will be done via serial interfaces.

### Telephony

Connectivity to telecommunication systems (PBX, BASA), trunks (PSTN) and telephones (FXO / FXS). Features such as CLIP, CLIR, COLP, etc. are forwarded as transparently as tones (DTMF, FSK) and transmitted numbers.

### Emergency call

Join™ VLC actively connects emergency call systems such as local battery, SOS telephone and emergency hotline via VoIP. To generate the ring tone, the gateway is extended by a ring tone generator (RTG). Contacts can also be used to control an external ring tone generator. The geodata is transferred via an RS232 interface.

### Public Address System (PAS)

Connectivity to single-directional or two-way-directional public address systems. Join™ VLC can be used in conjunction with sonic applications with or without amplifier modules. External amplifiers are controlled via contactors and external contacts are evaluated via digital inputs.

**Versatile.**



## Key features

Join™ VLC is a gateway for integrating analog sources into a modern IP infrastructure. Join™ VLC provides a range of interfaces for different devices. Data streams can be recorded and special features processed.

### Recording and documentation

Audio, video and data are documented in compliance with legal requirements. The data can be stored locally or in the network and exported with or without encryption.

### Supports various operating modes

Different interfaces allow integration of technologies such as GSM, GSM-R, Digital Radio (TETRA, POCSAC, EDACS), ED137, Analog Radio, Analog Train Radio, Trunked Radio, Local Battery, Tunnel Emergency Call, Intercom, Public Address System (PAS), DTMF, FSK, SELECT5.

### Fullband, Wideband

The connection of analog devices can be 2- or 4-wire. The processing of the signals from 50-20 kHz allows the support of full- and wideband.

### Modern codecs

Different codecs are supported through IP (e.g. OPUS, G.711, G.729 ...). This allows integration into any infrastructure.

**Smart Communication.**



## System management

Voxtronic components can be monitored and configured by using central system management. Efficient software management is performed by automated processes.

### **Central management**

Central administration (update, configuration, status, inventory)

Monitoring (temperature, humidity, energy consumption, component status, etc.) of all system components.

### **Operation monitoring**

Transmission path and devices are monitored for operation state and quality.

### **Monitoring of energy efficiency**

The energy consumption of individual system components is monitored and logged. To reduce power consumption, system components which are not used can be remotely disabled.

### **Expandable**

The modular design allows a simple expansion of the system components. Special functions can be realized by additional modules (e.g. ring tone generator).

**Investment Protection.**



## About us

Voxtronic develops secure communication products and solutions for enterprises with high security requirements and critical infrastructure, organisations in public safety, public transport, military, maritime, financial services and industry, using the latest technologies.

### **Smart dispatching**

Operate™ controls the optimal handling and information flow in business processes.

### **Gateways for special applications**

Join™ combines technologies, interfaces and protocols.

### **Solutions for secure documentation**

voxlog® professional records communication processes for compliance with legal requirements, content clarification and quality assurance.

### **Public address system (PA)**

SmartAmp™ - the intelligent electroacoustic system in IP technology for the acoustic irradiation of buildings and outdoor areas.

### **Alerting, notification and conferences**

Applications for emergency crews as well as specialists according to defined scenarios.

### **Certificates**

- ISO 9001
- ISO 14001
- ISO 27001

# Voxtronic.

For more information visit us on  
[voxtronic.com](http://voxtronic.com)

**Voxtronic.**

+43 1 8174846-0

[sales@voxtronic.com](mailto:sales@voxtronic.com)

All informations have been created with best knowledge. Changes and improvements, in particular for technical specifications, are possible at any time and without notice. Informations are only valid for the specified product. Images can differ from the actual delivery. All rights reserved. No part of this publication and no information may be duplicated, stored in an archive system or transmitted in any other way without prior written consent from Voxtronic Austria GmbH.

This publication is a document without contractual nature.

20190506-01