Roger Compact 2.8“

Professional Audio & Control for Mission-Critical Dispatching



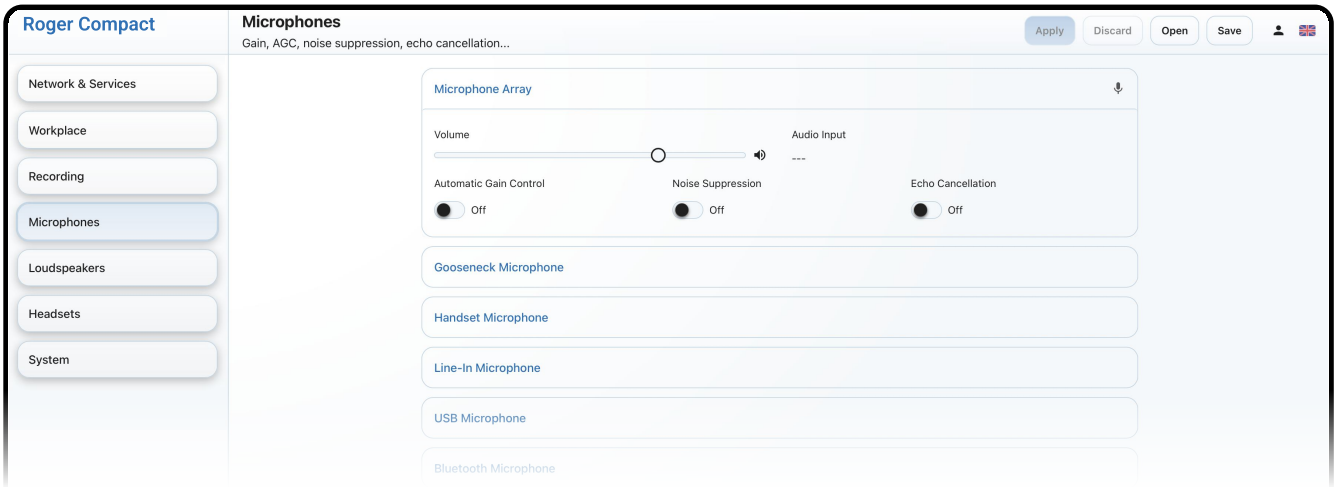
- Open protocols and interfaces for third-party integration, including RTP audio and a RogerLink control API
- Supports simultaneous full-duplex and half-duplex communication channels
- Audio codec support for narrowband (ACELP), G.711, and modern wideband communications (5G)
- Integrated DSP with echo cancellation, noise suppression, limiter, automatic gain control, beamforming and equalizer
- Web-based configuration, firmware updates, and SNMP monitoring

The **Roger Compact** is a networked audio and control terminal designed for use with PC-based dispatch applications in mission-critical communication environments. It features a high-resolution **2.8-inch touchscreen**, dedicated PTT buttons and dual volume controls for fast and intuitive selection and adjustment of microphones, loudspeakers and audio levels.

SIP call control and signalling to digital radio gateways and PBX systems are handled by the connected dispatch PC, while **RTP audio is routed directly through the Roger Compact**. This separation of call control and media processing provides a flexible architecture for professional control-room applications.

The integrated audio platform provides flexible routing between microphones, handsets, headsets and loudspeakers and includes advanced DSP functions such as **echo cancellation, noise suppression, automatic gain control, limiter, equalizer and beamforming** for clear and intelligible voice communication.

Based on a **Linux operating system**, Roger Compact provides an IP-based interface for real-time control and monitoring of audio routing, volume levels, LEDs, display functions and local controls. Designed for easy integration and long-term maintainability, the platform provides a scalable and future-proof solution for modern PC-based dispatch systems.



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Technical specifications	
Processor	Cortex-A72 (Armv8) quad-core 1.5GHz
Memory	8GB LPDDR4 SDRAM
Storage	Built-in eMMC Flash 32GB
Operating system	Linux
Display	2.8inch Capacitive Touch Screen HDMI IPS LCD (480×640)
Power supply	Connector: MULTICOMP 2MJ-0402A120 Voltage: 10-15V DC Consumption: ≤60W
Network	Ethernet: 2xRJ45 10Mbps and 100Mbps with auto negotiation WiFi: Dual-Band (2.4GHz, 5.0GHz) IEEE 802.11 b/g/n/ac wireless Bluetooth: 5.0, Bluetooth Low Energy
USB ports	3x USB 2.0 (Type-A) 1x USB 2.0 (Type-C) service use only
Handsets	HOLMCO Funk 75 Tipro TM-HUM-5AW-C15C25
PTT and control buttons	7x programable PTT Buttons 2x digital rotary volume encoder with LED bar indicator 3.5mm female jack External PTT
Audio outputs	2x Built-in speaker, 4 Ohm/10W 2x external speaker connector RCA, 4-8 Ohm/10W 3.5mm female jack stereo output
Audio inputs	Built-in 4-Microphone array XLR-microphone connector with 48V DC Phantom power 3.5mm female jack mono input
Dimensions (HxWxD)	90 x 260 x 185mm
Weight	1700g (cradle) / 1420g (no cradle)
Operating temperature	-5ºC to +50°C
Storage temperature	-25ºC to +70ºC
EMC	EN 55022 Kl. B:2010 EN55024:2010

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