

DATASHEET

Announcements without running cables

Information and emergency announcements, background music, promotional messages, telemetry and system monitoring in one rugged unit.



Features

- Announcements via existing PA systems on stages, in festival tents and on parade floats
- Announcements and background music via **NIKOS [horn]²** in places without a PA system (e.g. access routes)
- Interruption of funfair rides via optional pilot tone
- Switching off external music systems (noise sources) during announcements
- Remote shutdown of music systems to comply with quiet hours
- Remote switching of light masts, pumps, etc.
- Power failure alarm
- Full monitoring of operating status, status messages to the control center
- Loop-through via XLR between source and amplifier (ducking), with no effect on audio quality or level
- Targeted addressing of single, several or all units via digital talk groups

Technical data

Radio	DMR digital radio (400–470 MHz, 1–25 W), double encryption: over-the-air encryption and end-to-end encryption of calls
Range	≤ 15 km (open field)
Talk groups	Up to 64 per device; addressable individually, in groups or all at once
Battery	96 Wh (8 Ah); ≥ 16 h standby, ≥ 2 h announcement operation; charging time approx. 4 h; solar extension (model as required)
Audio	2 × XLR in/out (analog, stereo), connection of 1–4 × NIKOS [horn]² ; active or passive speakers can be connected directly
Audio loop-through	XLR with ducking, no level loss
Input level / frequency response	–40...+20 dBu / approx. 50...3,500 Hz
Pilot tone	16–25 kHz, 1 kHz test tone
Connections	2 × 12 V output (battery-backed), 3 GPIO, contact loop

Status messages	Standard: status OK, connection test successful, mains power failed, battery low, device shutting down. Custom, e.g.: manually acknowledge announcement, call for help
Forwarding	No daisy-chaining possible
Power supply	90–240 V, Schuko or Powercon True1
Housing	Rugged, IP67
Dimensions / weight	360 × 80 × 240 mm (W × H × D) / 6.5 kg
Operating temperature	–15...+45 °C
Approvals / standards	CE, EN 300 113, ETSI TS 102 361
Scope of delivery	Schuko power cable, antenna, antenna base, antenna cable, further items as required
Setup time per unit	1 person, under 10 minutes
Availability	Rental, see General Terms of Rental