

KENWOOD

Listen to the Future

NEXEDGE®

KTI-4

Telephone Interconnect Adapter

Expand Your Reach

Kenwood now offers an easy way to add telephone interconnect to your NEXEDGE® trunked system.

The KTI-4 Telephone Interconnect Adapter connects NEXEDGE® NXR-700/800-based trunked system to analogue telephone patch such as the Zetron Model 30 / Model 735, providing outbound radio to phone system calls and phone system to radio calls. The KTI-4 serves as modulator or demodulator between the NEXEDGE® digital system and the analogue PSTN/PABX system. KTI-4 units can be installed at trunked site or anywhere in the world through a VPN connection. Offices located anywhere can call radio users on a factory floor or in the field and vice-versa.

Main features

- KTI-4 On-site & Off-site Installations
- Up to 6 KTI-4 Lines per Trunked Site
- Up to 100 KTI-4 Lines per Trunked Network
- Independent Inbound & Outbound Calls Enabled
- Speed Dial:
 - Limit Calls to Specific Phone Numbers / PABX Extensions
 - 255 Numbers Max. (32 digits per number)
- Call Restrictions Settings:
 - Permit / Inhibit Toll, Long Distance and International Dialing
 - Permit / Inhibit Pay Per Call Services
- AMBE+2™ Vocoder (digital / analogue speech conversion)
- NXDN® Scrambler: Secure Voice in Both Directions
- Customisable DTMF Command Sets
- DTMF Tone Timers:
 - Match Interconnect Brand / Model
 - Match Phone System Requirements
- Status LEDs: Power, Communications, Full Duplex, 100-Base TX

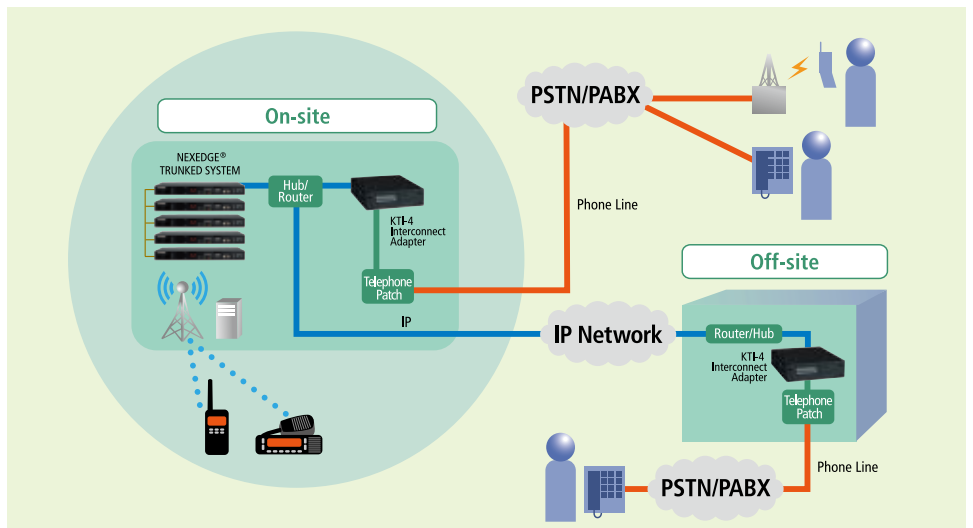
Note: The NEXEDGE® KTI-4 requires an external telephone patch that meets telephony regulations in the country of use and compatible with KTI-4 specifications (see back).



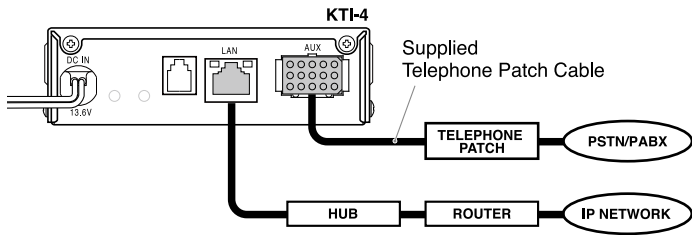
Web browser interface



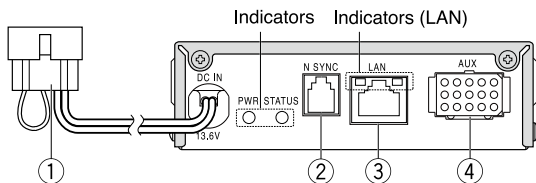
KTI-4 Interconnect Adapter



Installation and Connection



Rear



- ① **DC Power supply connector**
Connect to Repeater or external power supply.
- ② **N SYNC jack**
This jack is currently not used.
- ③ **LAN jack**
Connect to Ethernet. Use a shielded, Category 5e or higher standard LAN cable shorter than 3 metres.
- ④ **AUX jack**
Connect to Telephone Patch via the supplied Telephone Patch Cable.

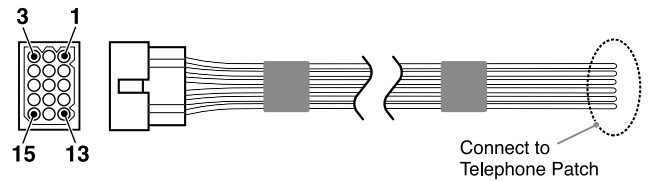
Indicators

Indicator	Colour	Meaning
PWR	Green	Lights while the power is ON.
STATUS	Green	Lights during communications.
LAN : Right (Full Duplex)	Green	Lights when in Full Duplex mode. Blinks when a collision status is detected in half Duplex mode.
LAN : Left (100Mbps)	Green	Lights when in 100Base-TX mode.

Main Specifications

		KTI-4
Operating Voltage	Standard Range	13.6 V DC 10.8 ~ 15.9 V DC
Current Rating		200 mA max.
Temperature Range		-30°C ~ +60°C
Dimensions W x H x D (projections not included)		106 x 32 x 125 mm
Weight		560 g
Approved Standards	FCC	Part 15 Subpart B
	IC	IC ES-003
	EMC	EN55022, EN55024
	Safety	EN60950-1, EN 60065

Telephone Patch Cable



Pin No.	Wire Colour	I/O	Pin Name	Signal type	Description
2	Blue	I	AUD IN	Analogue	Audio Input from Telephone Patch. Input Level : -40 to +6 dBm (7.8 m to 1.55 Vrms) Input Impedance : 10 kΩ min
3	Green	—	A GND	A GND	Analogue GND
5	White	O	AUD OUT	Analogue	Audio Output to Telephone Patch. Output Level : -40 to +3 dBm (7.8 m to 1.1 Vrms) Output Impedance : 1 kΩ max
6	Violet	—	A GND	A GND	Analogue GND
11	Yellow	O	PTT OUT	Digital	PTT Output to Telephone Patch. Open collector Do not supply a voltage above the DC IN value. Allowable Current : 200 mA max
13	Orange	I	PTT IN	Digital	PTT Input from Telephone Patch. 47 kΩ Pull Up to 5.0 V ± 4 % VIH : 2 to 5.5 V VIL : 0 to 0.8 V

Recommended Telephone Patch

ZETRON



Model 30*
WORLDPATCH

Model 735 RADIO TELECONNECT



*Must use Model 30 Revision 1.03 or later for KTI-4 use.

Kenwood reserves the right to change specifications without prior notice of obligation.
AMBE+2™ is a trademark of Digital Voice System Inc.
NXDN® is a registered trademark of Kenwood Corporation and Icom Inc.
NEXEDGE® is a registered trademark of Kenwood Corporation.

Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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ISO9001 Registered
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Kenwood Corporation
ISO9001 certification