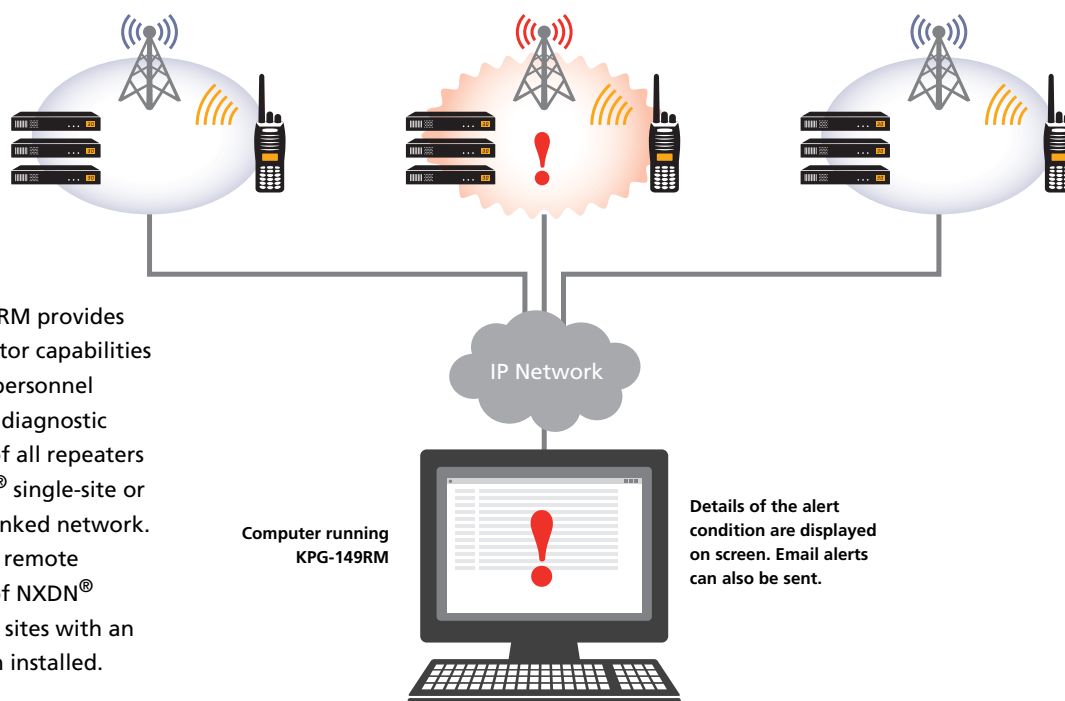


For NXR-700/800 & NXR-710/810

The KPG-149RM enables around-the-clock remote IP monitoring of all repeaters on an NXDN® single-site or multi-site trunked network and on NXDN® conventional IP networks. This software can alert supervisors and technical personnel of systemic problems or failures of any repeater at any site. Also the KPG-149RM can be set to sound a PC alarm and send multiple emails or SMS text messages upon receiving an alert. All events are recorded in a log file. Remote IP repeater monitoring helps prevent serious problems occurring and thus ensure that mission-critical communications remain uninterrupted.

Main Features

- **Monitored Parameters**
Technical personnel have access to detailed information on a repeater's status thanks to individual monitoring of power, temperature, fan, etc. The monitoring interval is adjustable.
- **Log Output**
Upon launch, the software creates a log file (CSV format) in a designated folder. A new log file is created for each session.
- **Alarm**
Optionally, when an alert condition is detected a PC alarm tone will sound. A customized alarm can be set up by specifying a user-supplied WAV audio file.
- **Email & SMS Text Alerts**
Provided with access to an SMTP mail server, the software can alert one or more personnel by email or text message.
- **Simple User Interface**
The main screen offers an intuitive tabbed organization for easy switching between Monitor and Log displays. Separate configuration screens facilitate the registering of new repeaters, email recipients, etc.

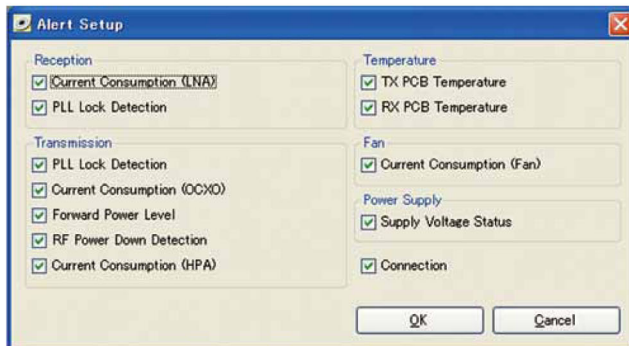


The KPG-149RM provides remote monitor capabilities so technical personnel can view the diagnostic parameters of all repeaters on an NXDN® single-site or multi-site trunked network. It also allows remote monitoring of NXDN® conventional sites with an IP connection installed.

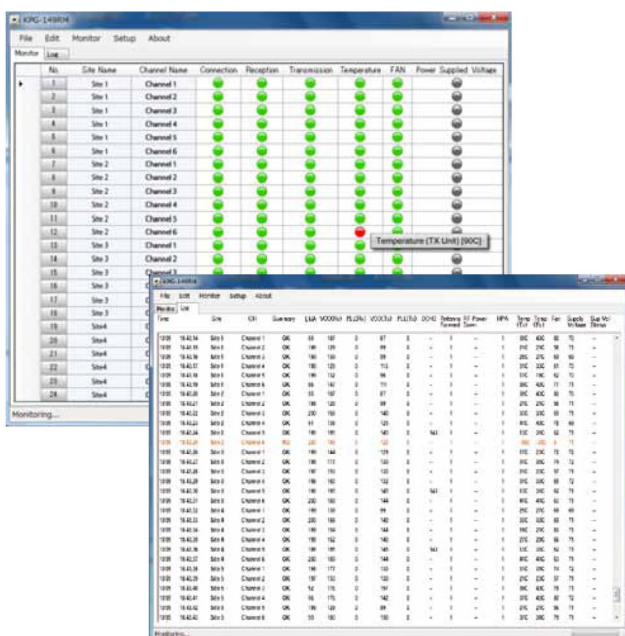
Items Monitored

Only items that are checked are subject to monitoring (at the specified interval). Current operating status is clearly displayed with either a green (normal) or red (alert) icon.

- Reception: Current Consumption (LNA) and PLL Lock Detection
- Transmission: PLL Lock Detection, Current Consumption (OCXO), Forward Power Level, RF Power Down Detection, and Current Consumption (HPA)
- Temperature: TX PCB Temperature and RX PCB Temperature
- Fan: Current Consumption
- Supplied Power Voltage: Supply Voltage Status
- Connection



Monitoring software display and log file



The monitoring software displays a green (normal) or red (alert) icon to show the operating condition. A gray icon indicates that no information can currently be retrieved. These details are recorded in a log file.

Items		NXR-700/800/900	NXR-710/810
Reception	Current Consumption (LNA)	x*1	N/A
	PLL Lock Detection	x	x
Transmission	PLL Lock Detection	x	x
	Current Consumption (OCXO)	x	N/A
	Forward Power Level	x	N/A
	Power Down Detection	N/A	x
	Current Consumption (HPA)	x	N/A
TEMP	TX PCB Temperature	x	x
	RX PCB Temperature	x	N/A
FAN	Current Consumption (Fan)	x*2	N/A
Supplied Power Voltage	Supply Voltage Status	N/A	x
Connect		x	x

*1: Function is not available on the NXR-900.

*2: K type hardware only

PC Software / Hardware Requirements

KPG-149RM	
Operating system	Microsoft® Windows® XP (32-bit) / Windows Vista® / Windows® 7
CPU	Intel® Pentium® III 1GHz or higher
RAM	256 MB or more
HDD free space	40MB or more (not including storage of log files)
LAN	10 Base-T or higher
Display	XGA (1024 x 768), more than 256 colors

Specifications are subject to change without notice due to advancements in technology.

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IMPORTANT! Please read the "Radio User Safety" information in the KPG-149RM package prior to using the KPG-149RM Repeater Monitor Software.

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