

NEXEDGE®

Release Notes

Version up information for September 2022 Update

NX-5000 series R5.0

NX-3000 series R4.0

KPG-D1 R5.0

KPG-D3 R4.0

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1. Release information

1.1. Features

This Release Note introduces new features of the NX-5000/3000 series that will be updated in September 2022.

1.1.1. Version up Feature List

Features	System	Description
Out of range Indication	DMR TIER II	This feature is added to notify a user that a terminal is outside the communication range when the terminal is unable to receive a Beacon or the other DMR signal for a certain period. Once the terminal is back in the communication range, this Indication will be cleared.
Digital DTMF Encode (w/o Decode)		This new feature allows terminals to encode DTMF. And thanks to this feature, a device that is connected to the DMR Tier II conventional system can be controlled by using the DTMF. (For example, Analog Telephone Gateway, etc.)
Registration Timer	DMR TIER III	A timer for System Re-registration can be set before the expiration period of the System Registration. Please make sure to set a time, and this should be shorter than the Deregistration Timer that is set on the system side.
Preferential Call Notification		This feature makes it possible to detect a communication with a Group ID with a higher priority. Radio can immediately change channels and join the communication. This feature ensures not to miss a Group call with a higher priority.
Network Failure		The system sends a message to notify a terminal when inter-site communication is unavailable, and the terminal notifies the network failure to the users. With this feature, the user can know when inter-site communication is unavailable.
Vote Now		The DMR TIER III Trunking System sends a "Vote Now Advise" message. The terminal that receives this message starts checking the signal strength of the surrounding sites so that the terminal can move to another site that signal quality is better than the current.

1.2. Licenses

The following license will be necessary when using the new features.

1.2.1. Radio Feature License

Radio Feature License: Please apply the following licenses for this Version Up. It is NOT necessary to add the licenses if they have already been applied.

Model Name	License Key	Description
NX-5000 Series	KWD-5300CV	License for DMR TIER II Conventional
	KWD-5301TR	License for DMR TIER III Trunking
NX-3000 Series	KWD-3500CV or KWD-3300CV or KWD-3301CV	License for DMR TIER II Conventional
	KWD-3302TR	License for DMR TIER III Trunking

2. Compatibility of programming software

2.1. KPG-D1/D1N, KPG-D3/D3N

This section describes the compatibility of the previous and the latest versions of Firmware and programming software (KPG-D1/D1N, KPG-D3/D3N). Please check the compatibility of the files.

[Definition]

Open: Opening a data file by programming software

Read: Reading programming data from subscriber unit

Write: Writing programming data to subscriber unit

New Data: A data file generated by programming software in the latest Version

Old Data: A data file generated by programming software version prior to the latest version

2.1.1. Compatibility of Opening a data file

			New Data	Old Data
KPG-D1/D1N Version	5.00	Open	✓	✓
	Prior to 4.60	Open	N/A	✓

			New Data	Old Data
KPG-D3/D3N Version	4.00	Open	✓	✓
	Prior to 3.60	Open	N/A	✓

2.1.2. Compatibility of Reading from a subscriber unit

			NX-5000 series Firmware	
			V5.00	Prior to 4.60
KPG-D1/D1N Version	5.00	Read	✓	✓
	Prior to 4.60	Read	N/A	✓

			NX-3000 series Firmware	
			V4.00	Prior to 3.60
KPG-D3/D3N Version	4.00	Read	✓	✓
	Prior to 3.60	Read	N/A	✓

2.1.3. Compatibility of Writing to a subscriber unit

			NX-5000 series Firmware	
			V5.00	Prior to V4.60
KPG-D1/D1N	5.00	Write	✓	✓(*1) or N/A(*2)
Version	Prior to 4.60	Write	✓	✓

			NX-3000 series Firmware	
			V4.00	Prior to V3.60
KPG-D3/D3N	4.00	Write	✓	✓(*1) or N/A(*2)
Version	Prior to 3.60	Write	✓	✓

(*1) You can write the setting data, but this is limited to the features included in the older version of the Firmware. When you are going to write the setting data that is not supported by the older version of the Firmware, and if it does not incur any problem, a warning may be indicated, but you can proceed with the writing.

(*2) When you are going to write the setting data that is not supported by the older version, and if it incurs a problem, you will see the warning and you can NOT proceed with the writing.

3. Product Versions

Please check the newly released versions:

Product	Supported Version in this Release	
	Version	Note
NX-5000 series	V5.00	Version up is scheduled for September 2022
NX-3000 series	V4.00	
KPG-D1/D1N	V5.00	
KPG-D3/D3N	V4.00	

Revision History

Version	Date of issue	Note
1.00	29 August 2022	First Release