

NEXEDGE®

Release Notes

NX-3000 Series R2.10

KPG-D3/D3N R2.10

NX-5000 Series R3.10

KPG-D1/D1N R3.10

Last Updated:	30 th April 2019
Language:	English
Document No.:	RN-19-0003

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3 Release Information

This document is described to inform NX-3000 Series R2.10 with KPG-D3/D3N and NX-5000 Series R3.10 with KPG-D1/D1N for version up features. In this document, "SU" stands for "Subscriber Unit", "Programming Software" means "Field Programming Unit (FPU)".

3.1 Added Features

This section introduces a new feature.

3.1.1 Call Interruption on DMR Tier III Trunking

Call Interruption function on DMR Tier III Trunking system is now available. Even if Traffic Channels are not available due to fully used by other calls, a priority call can take over a traffic channel from a low priority call.

Note:

- Call Interruption works by pressing PTT, PF key which is assigned Call Interrupt function, or PC Command from the COM port.
- Even if the Call Interrupt Decode is Off by FPU settings, the transmission can be forcibly stopped by the System depending on the system settings.
- Call Interruption does not work while receiving a call which never allows talkback by others like All call.

3.2 New Model Information

This section informs a new model.

3.2.1 NX-5600H Low Band Model

NX-5600H Low Band and High Power mobile radio is released.

Frequency range: 39 MHz to 50 MHz.

RF transmit power range: 25W to 110W.

Note:

- It supports NXDN Conventional Narrow (12.5kHz), and Analog (20kHz) only.
- It supports Audio Output 12 Watts with option External Speaker KES-5.
- LTR and 5-tone are not supported.

4 Compatibility of programming software

4.1 KPG-D1/D1N

This section describes backward compatibility of previous version of Firmware and programming software (KPG-D1/D1N).

[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 was generated by programming software Version 3.10
 Old Data: A data file was generated by programming software version prior to 3.10

4.1.1 Compatibility of Opening a Data File

				New Data	Old Data
Programming Software KPG-D1/D1N	Version	3.10	Open	✓	✓
		Prior to 3.10	Open	N/A	✓

4.1.2 Compatibility of Writing and Reading a Data File

			Write / Read	Firmware version	
				3.10	Prior to 3.10
Programming Software KPG-D1/D1N	Version	3.10	Read	✓	✓
			Write	✓	✓ ^{*1}
		Prior to 3.10	Read	N/A	✓
			Write	✓	✓ ^{*1}

4.2 KPG-D3/D3N

This section describes backward compatibility of previous version of Firmware and programming software (KPG-D3/D3N).

[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 was generated by programming software Version 2.10
 Old Data: A data file was generated by programming software version prior to 2.10

4.2.1 Compatibility of Opening a Data File

				New Data	Old Data
Programming Software KPG-D3/D3N	Version	2.10	Open	✓	✓
		Prior to 2.10	Open	N/A	✓

4.2.2 Compatibility of Writing and Reading a Data File

			Write / Read	Firmware version	
				2.10	Prior to 2.10
Programming Software KPG-D3/D3N	Version	2.10	Read	✓	✓
			Write	✓	✓ ^{*1}
		Prior to 2.10	Read	N/A	✓
			Write	✓	✓ ^{*1}

Note:

^{*1}:

writable

- In case if unsupported functions for older firmware are not included.
- In case that there will not be a possibility to cause trouble even if unsupported functions for older firmware are included. This case, the warning message will be shown.
 (This is judged by Programming Software according to Firmware version and the contents of Programing data)

unwritable

- In case that there will be a possibility to cause trouble if unsupported functions for older firmware are included. This case, the error message will be shown.

5 Product Version

Product	Supported Version in Release
Subscriber Units: NX-5000 Series	Since 3.10
Programming Software for NX-5000 Series: KPG-D1/D1N	Since 3.10
Subscriber Units: NX-3000 Series	Since 2.10
Programming Software for NX-3000 Series: KPG-D3/D3N	Since 2.10