

N800S/A 펌웨어 확인 방법
(The firmware verification method for N800S/A)

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개정이력(Revision History)

내 용(No.)	일 자(Date)	비 고(Remarks)
1 st	2016. 10. 19	

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1. 제품별 최신 펌웨어(the latest version in each model)

Model	펌웨어 버전 (Firmware Version)	적용시점 (Application time)	비 고(Remark)
N800S MI	FW0223V002.vcx	2015. 10. 01	
N800S MR	FW0221V003_RC4.vcx	2015. 11. 17	
	FW0221V004_RC1.vcx	2016. 03. 29	
	FW0221V004_RC2.vcx	2016. 09. 30	리모트 운전방법 개선
N800A	FW0222V003.vcx	2016. 09. 30	정기적 품질 개선

2. 키패드로 펌웨어 확인 방법(checking the firmware using the keypad)

(1) N800S MI

- 펌웨어 파라미터(Firmware parameter)

파라미터 명(Parameter Name)	코 드(Code)	비 고(Remark)
제어기 SW ID(SW ID)	V1.1	시스템 그룹(System Group)
제어기 SW 버전(SW Version)	V1.2	시스템 그룹(System Group)

- 키패드 표시 내용



(1) 코드 V1.1 화면



(2) 코드 V1.2 화면

- 파라미터 구조(Parameter Structure)

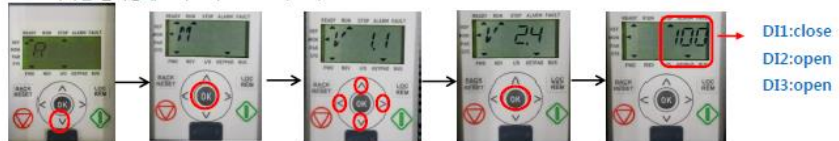
Menu
R
M
P
S

R	→ Frequency Reference Value	(Reference Group)
M	→ V1.1 ~ V4.5	(Monitoring Group)
P	→ P1.1~P17.4	(Parameter Group)
S	→ V1.1~V1.7, V2.1 P2.2~P2.8 P4.2~P4.6 F5.x, F6.x	(System Group)



* 파라미터 찾는 경로 예제

1. 디지털 입력상태 DI1, DI2, DI3



* 일부 파라미터가 보이지 않을 경우, Parameter Group의 P17.2=0으로 설정하여야 합니다.

(2) N800S MR

- 펌웨어 파라미터(Firmware parameter)

파라미터 명(Parameter Name)	코 드(Code)	비 고(Remark)
소프트웨어 패키지 ID(ID)	V3.8.2	진단 그룹(M3 DIAGNOSTIC)
소프트웨어 패키지 버전(Version)	V3.8.3	진단 그룹(M3 DIAGNOSTIC)

- 키패드 표시 내용



(1) 코드 V3.8.2 화면



(2) 코드 V3.8.3 화면

- 파라미터 구조(Parameter Structure)

Menu
M1 MONITOR
M2 PARAMETERS
M3 DIAGNOSTICS
M4 I/O AND HARDWARE
M5 USER SETTINGS
M6 FAVOURITIES



M1 MONITOR	submenu
M1.1 BASIC	→ V1.1.1~V1.1.11
M1.2 I/O	→ V1.2.1~V1.2.6
M1.3 ADVANCED	→ V1.3.1~V1.3.3
M1.4 PID CONTROL	→ V1.4.1~V1.4.5

M2 PARAMETERS	submenu
M2.1 MOTOR SETTINGS	→ P2.1.1~P2.1.30
M2.2 START/STOP SETUP	→ P2.2.1~P2.2.9
M2.3 REFERENCES	→ P2.3.1~P2.3.14
M2.4 RAMPS AND BRAKES	→ P2.4.1~P2.4.19
M2.5 DIGITAL INPUTS	→ P2.5.1~P2.5.17
M2.6 ANALOGUS INPUTS	→ P2.6.1~P2.6.8
M2.8 DIGITAL OUTPUTS	→ P2.8.1~P2.8.9
M2.9 ANALOGUE OUTPUTS	→ P2.9.1~P2.9.4
M2.10 FIELD BUS	→ P2.10.1~P2.10.9
M2.11 PROHIBITED FREQUENCY	→ P2.11.1~P2.11.4
M2.12 LIMIT SUPERVISIONS	→ P2.12.1~P2.12.9
M2.13 PROTECTIONS	→ P2.13.1~P2.13.29
M2.14 AUTOMATICS RESET	→ P2.14.1~P2.14.5
M2.15 PID CONTROL	→ P2.15.1~P2.15.21
M2.16 MOTOR PREHEAT	→ P2.16.1~P2.16.2
M2.17 APPLICATION SETTINGS	→ P2.17.2

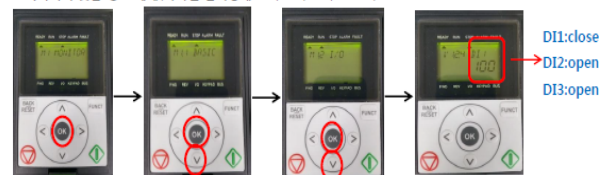
M3 DIAGNOSTICS	submenu
M3.6 TOTAL COUNTERS	→ V3.6.1~V3.6.15
M3.7 TRIP COUNTS	→ P3.7.1~P3.7.3
M3.8 SOFTWARE INFO	→ V3.8.1~V3.8.7

M4 I/O AND HARDWARE	submenu
M4.1 BASIC I/O	→ V4.1.1~V4.1.15
M4.2 SLOT C	
M4.3 SLOT D	
M4.4 SLOT E	
M4.5 REAL TIME CLOCK	→ V4.5.1~P4.5.5
M4.6 POWER UNIT SETTINGS	→
M4.6.1 FAN	→ P4.6.1.1~B4.6.1.7
M4.6.2 BRAKE CHOPPER	→ P4.6.2.1
M4.6.4 SINE FILTER	→ P4.6.4.1
M4.8 RS-485	
M4.8.1 COMMON SETTINGS	→ P4.8.1.1
M4.8.3.1 MODBUS RTU	→ M4.8.3.1 PARAMETERS
M4.8.3.2 MONITORING	→ M4.8.3.2 MONITORING
M4.9 ETHERNET	
M4.9.1 COMMON SETTINGS	→ M4.9.1.2 FIXED IP

M5 USER SETTINGS		
M5.5 PARAMETERS BACKUP	→	B5.5.1~B5.5.7
M5.6 PARAMETERS COMPARE	→	B5.6.1~B5.6.4

M6 FAVOURITIES

* 파라미터 찾는 경로 예제(디지털 입력상태 DI1, DI2, DI3, V1.2.4)

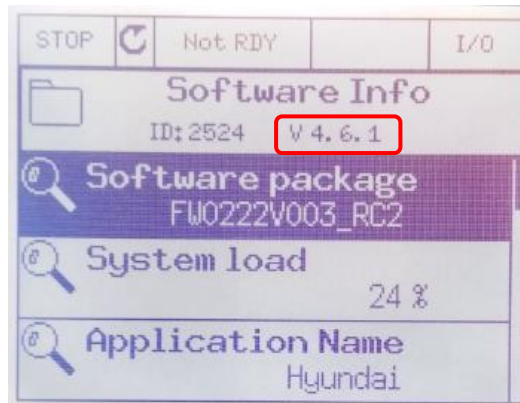


(3) N800A

- 펌웨어 파라미터(Firmware parameter)

파라미터 명(Parameter Name)	코 드(Code)	비 고(Remark)
소프트웨어 정보(Software Info)	V4.6.1	진단 그룹(M4 DIAGNOSTIC)

- 키패드 표시 내용



(1) 코드 V4.6.1 화면

- 파라미터 구조(Parameter Structure)

Menu
M1 Quick Setup
M2 Monitor
M3 Parameters
M4 Diagnostic
M5 I/O and Hardware
M6 User Settings
M7 Favourites



M1 Quick Setup	→ P1.2~P1.30 / Application
M2 Monitor	submenu
M2.1 Multimonitor	→ V2.1.1~V2.1.9
M2.3 Basic	→ V2.3.1~V2.3.14
M2.4 I/O	→ V2.4.1~V2.4.10
M2.6 Extras/Advanced	→ V2.6.1~V2.6.13
M2.7 Timer Functions	→ V2.7.1~V2.7.10
M2.8 PID Controller	→ V2.8.1~V2.8.5
M2.9 ExtPID Controller	→ V2.9.1~V2.9.5
M2.10 Multi-Pump	→ V2.10.1~V2.10.2
M2.11 Mainten. Counters	→ V2.11.1
M2.12 Fieldbus Data	→ V2.12.1~V2.12.20
M2.13 Drive Customizer	→ V2.13.2~V2.13.11
M4 Diagnostics	submenu
M4.4 Total Counters	→ V4.4.1~V4.4.15
M4.5 Trip Counters	→ P4.5.1~P4.5.3
M4.6 Software Info	→ V4.6.1~V4.6.7
M5 I/O and Hardware	
M5.1 Basic IO	→ V5.1.1~V5.1.15
M5.2 Slot C	→
M5.3 Slot D	→
M5.4 Slot E	→
M5.5 Real Time Clock	→ V5.5.1~P5.5.5
M5.6 Power Unit Settings	
M5.6.1 Fan	→ P5.6.1.1~P5.6.1.7
M5.6.2 Brake chopper	→ P5.6.2.1
M5.6.4 Sine Filter	→ P5.6.4.1
M5.8 RS-485	
M5.8.1 Common Settings	→ P5.8.1.1
M5.9 Ethernet	
M5.9.1 Common Settings	→ P5.9.1.1
M5.9.1.2 Fixed IP	→ P5.9.1.2.1~P5.9.1.2.3
M5.9.2 ModBus TCP	→ P5.9.2.1.1~P5.9.2.1.3
M5.9.3 Bacnet IP	→ P5.9.3.1.1~P5.9.3.2.7
M6 User Settings	submenu
M6.5 Parameter Backup	→ B6.5.1~B6.5.7
M6.6 Parameter Compare	→ B6.6.1~B6.6.4
M7 Favourites	→

M3 Parameters	submenu
M3.1 Motor Settings	
M3.1.1 Motor Nameplate	→ P3.1.1.1~P3.1.1.6
M3.1.2 Motor Control	→ P3.1.2.1~P3.1.2.14
M3.1.3 Limits	→ P3.1.3.1~P3.1.3.5
M3.1.4 Open Loop	→
M3.1.4.12 I/f Start	→ P3.1.4.12.1~P3.1.4.12.3
M3.1.4.13 Stabilizers	→ P3.1.4.13.1~P3.1.4.13.4
M3.2 Start/Stop Setup	→ P3.2.1~P3.2.10
M3.3 References	
M3.3.1 Frequency Ref	→ P3.3.1.1~P3.3.1.10
M3.3.2 Torque Ref	→
M3.3.2.8 Torque Ctrl Open Loop	→ P3.3.2.8.1~P3.3.2.8.3
M3.3.2.9 Torque Ctrl Sensorless	→
M3.3.3 Preset Freqs	→ P3.3.3.1~P3.3.3.12
M3.3.4 Motor Potentiometer	→ P3.3.4.1~P3.3.4.4
M3.3.5 Joystick	→ P3.3.5.1~P3.3.5.4
M3.3.6 Jogging	→ P3.3.6.1~P3.3.6.6
M3.4 Ramps And Brakes	
M3.4.1/2 Ramp 1/2	→ P3.4.1.1~P3.4.2.4
M3.4.3 Start Magnetizat	→ P3.4.3.1~P3.4.3.2
M3.4.4 DC Brakes	→ P3.4.4.1~P3.4.4.3
M3.4.5 Flux Braking	→ P3.4.5.1~P3.4.5.2
M3.5 I/O Config	
M3.5.1 Digital inputs	→ P3.5.1.1~P3.5.1.51
M3.5.2 Analog inputs(1~6)	→ P3.5.2.1.1~P3.5.2.6.6
M3.5.3 Digital outputs	→ P3.5.3.2.1~P3.5.3.2.7
M3.5.4 Analog outputs	→ P3.5.4.1.1~P3.5.4.1.5
M3.6 Fieldbus DataMap	→ P3.6.1~P3.6.8
M3.7 Prohibit Freq	→ P3.7.1~P3.7.7
M3.8 Supervisions	→ P3.8.1~P3.8.8
M3.9 Protections	→ P3.9.1.2~P3.9.10.2
M3.10 Automatic Reset	→ P3.10.1~P3.10.15
M3.11 Appl. Settings	→ P3.11.1~P3.11.5
M3.12 Timer Functions	→ P3.12.1.1~P3.12.8.3
M3.13 PID Controller	→ P3.13.1.1~P3.13.10.7
M3.14 ExtPID Controller	→ P3.14.1.1~P3.14.14.5
M3.15 Multi-Pump	→ P3.15.1~P3.15.16.1
M3.16 Mainten. Counters	→ P3.16.1~P3.16.5
M3.17 Fire Mode	→ P3.17.1~P3.17.8
M3.18 Motor PreHeat	→ P3.18.1~P3.18.4
M3.20 Mechanical Brake	→ P3.20.1~P3.20.8
M3.21 Pump Control	→ P3.21.1.1~P3.21.3.2

* 파라미터 찾는 경로 예제
(D11, D12, D13 상태)



※ 제품의 펌웨어가 최신버전과 상이한 경우 구매처 혹은 1544-5011로 A/S 신청바람.