COMPACT
REMOTE MIC LINE-UP

RM-6800/RM-N3000/RM-VA1000

SYSTEM REMOTE MIC STATION

inter**M**

◆ OVERVIEW

Inter-M's compact remote MIC series offer three line-up for easy operate as per environment. RM-6800 is a system remote MIC station which can use with 6000system(1bus, 8bus and analog) and NPX system. RM-N3000 is a network only remote MIC station which can network broadcasting by select AOE / VoIP / AVB protocol. RM-VA1000 is a Dante™ based remote MIC station which can be used with "EVAMATRIX", audio matrix device for EN54. In addition, user can easily set option, select zone and broadcast with high resolution OLED, 10 KEY button on front panel.

◆ FEATURE

- Remote MIC for paging broadcasting to each zone
- MIC/external input (AUX) selectable broadcast
- Automatic chime broadcasting
- Configurable 5 Preset buttons
- Output LEVEL METER LED
- Audio output via built-in speaker
- DC 24V (adapter available)
- Supporting Dante™ / VoIP / AVB / AOE streaming
- Supporting 100 / 1000Mbps
- Supporting DHCP, STATIC IP
- Supporting network bonding (AOE)

◆ RM-6800

Remote MIC compatible with analogue and digital public address system

RM-6024
6000 SYSTEM

RM-6016
6000 SYSTEM

NRM-8000A
NPX SYSTEM

RM-6800

◆ RM-N3000

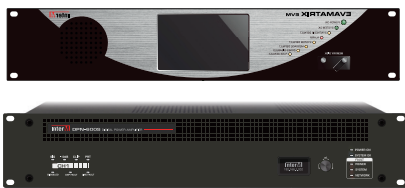**Network remote MIC with integrated control (NCS, VoIP, AVB)**

Network Connecting System
(NCS, VoIP, AVB)

LAN/WAN
Network

RM-N3000

◆ RM-VA1000

Dante™ based remote MIC for uncompressed lossless audio transmission

EVAMATRIX

Network

Dante™

RM-VA1000

» Front Panel

❶ **MIC Input terminal**
   Terminal for a gooseneck MIC

❷ **Shortcut buttons to call presets**
   Buttons to call 1~5 presets

❸ **10 KEY , * , # KEY**
   0~9 Numeric keys / *, # Key

❹ **TALK Button**
   Start / Stop broadcasting

❺ **FUNCTION Button**
   Menu, Preset, Chime, All Zone On/Off

❻ **OLED DISPLAY**
   Displays operating status, paging zone, and menu

❼ **LEVEL METER**
   Displays the output level

❽ **STATUS LED**
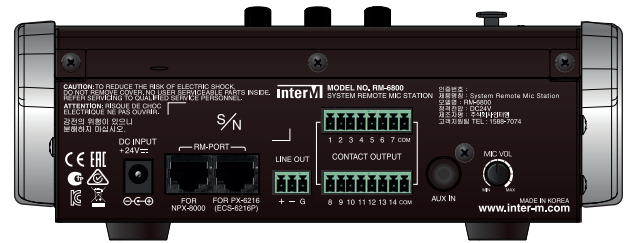   Indicates the status of the device, such as power,
   busy, and fault

❾ **VOLUME**
   Knobs to adjust the volume of each MONITOR, AUX,
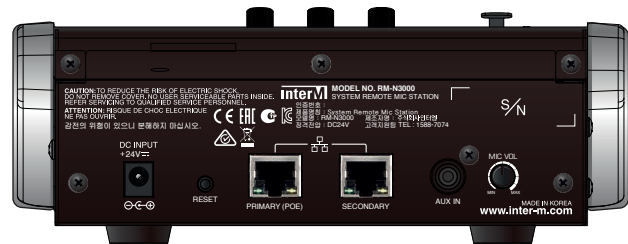   and CHIME

RM-6800

6000 **NPX** **160 Zone**

- 6000 system Remote MIC (1 bus / 8 bus, analog)
  Optional use for NPX-8000
- Macro broadcasting max 160 Zone
- 10 KEY system, Multizone broadcast function
- Automatic chime broadcasting

RM-N3000

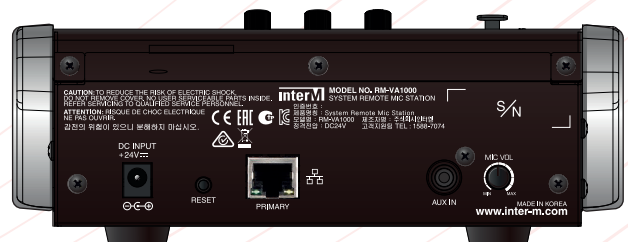**NCS** **AOE** **VOIP** **AVB** **1024 Zone**

- Select AOE / VoIP / AVB protocol
- Macro broadcasting max 1024 Zone
- STATIC/DHCP/ZEROCONFIG
- 100/1000 Network
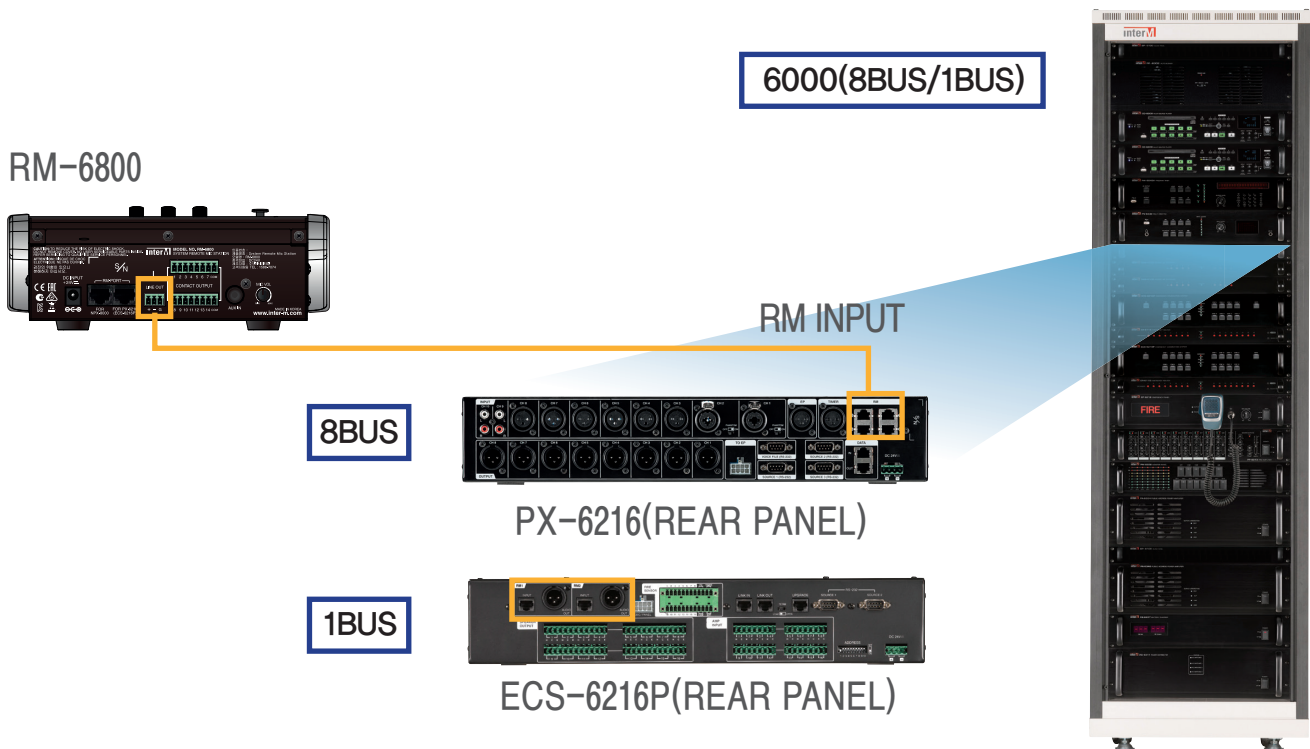- Support network bonding (AOE TCP MODE)

RM-VA1000

EVA **EN54** **Dante SPOKEN HERE** **1024 Zone**

- Dante™ PAGING MIC
- Macro broadcasting max 1024 Zone
- Can connect with EN 54-16 EVAMATRIX
- 100/1000 Network

» RM—6800 Analog, digital public address system remote MIC

◆ **How to connect with 6000 1 bus / 8 bus remote broadcasting**

RM—6800

6000(8BUS/1BUS)

RM INPUT
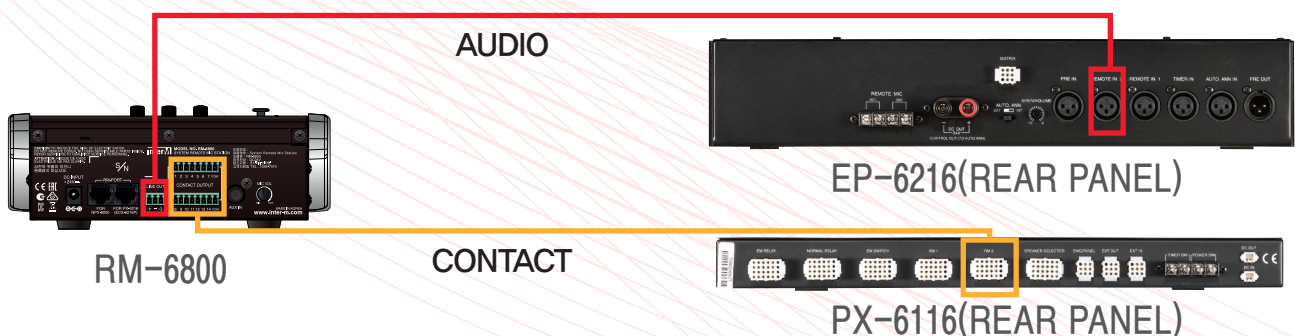
8BUS

PX—6216(REAR PANEL)

1BUS

ECS—6216P(REAR PANEL)

● RM-6800 remote MIC can be used as same as the RM-6024.

● Each remote MIC can select 48 zone or set macro function by front 10 KEY.

● RJ-45 type LAN cable is connected to RM input terminal of PX-6216 (ECS-6216P in 1-bus system), and transmission is possible up to 1km.

Incorrect connection between the NPX-8000 and the PX-6216 terminal may cause a malfunction.

◆ **How to connect with 6000 analog remote broadcasting**

● The RM-6800 remote MICrophone can be connected to the 6000 analog system through the contact closure terminal.

● The audio output is connected to the remote input of EP-6216 and 14 contact closure outputs are connected to the contact closure terminal of PX-6116.

AUDIO

EP—6216(REAR PANEL)

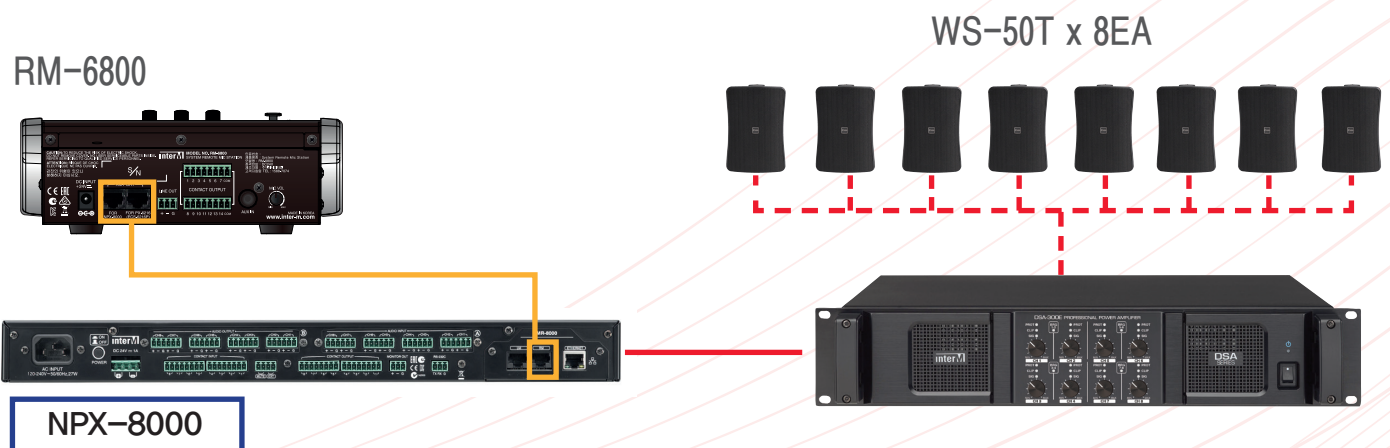RM—6800   CONTACT

PX—6116(REAR PANEL)

◆ How to connect with Network connecting system(NCS)'s NC-S01 converter for remote broadcasting

- The RM-6800 remote MIC can be connected to the NCS system for network remote broadcasting.
- RM-6024 connection mode of RM-6800 and NC-S01 allows network and broadcasting area selection.

NETWORK CONNECTING SYSTEM

RM-6800

NC-S01

Network

◆ How to connect with NPX-8000 system for remote broadcasting

- When NPX-8000 is connected to CAN communication terminal, remote broadcasting is possible.
- Be careful not to connect to NETWORK terminal or NLM terminal when connecting.

WS-50T x 8EA

RM-6800

NPX-8000

» RM-N3000

Remote microphones for network with integrated control (NCS, VoIP, AVB)

◆ **How to connect dedicated remote (RM-N3000) with network (NCS, VoIP, AVB)**

- RM-N3000 can be connected to the AOE / VoIP / AVB networkthrough the rear network terminal without any converters.
- Even if the first network fails, stable broadcasting is possible to the second network due to network redundancy.

RM-N3000

NETWORK CONNECTING SYSTEM

VoIP SYSTEM

AVB SYSTEM

» RM-VA1000

Remote microphone for Dante™ network with EN54 compliance

◆ **How to connect Dante™ Remote (RM-VA1000) with the network(NCS, VoIP, AVB)**

- The RM-VA1000 can be connected to a network switch via Dante™ network terminal.
- Dante™ Controller makes it easy to find and connect devices on the network.

RM-N3000

EVAMATRIX

» SPECIFICATION

◆ RM-6800

	RM-6800
Audio specification	
MIC — Input sensitivity	-50dBV
MIC — Output level	0dBV
MIC — S/N(<22kHz LPF)	More than 70dB
MIC — THD(<22kHz LPF)	Less than 0.1%
MIC — Frequency response 100Hz ~ 18kHz	0dBV ± 3dBV
AUX — Input sensitivity	-10dBV
AUX — Output level	0dBV
AUX — S/N(<22kHz LPF)	More than 80dB
AUX — THD(<22kHz LPF)	Less than 0.1%
AUX — Frequency response 100Hz ~ 18kHz	0dBV ± 3dBV
Data communication	
RM-6024 MODE — Communication	RS-422
RM-6024 MODE — Communication distance	MAX : 1km
NRM-8000A MODE — Communication	CAN (Controller Area Network)
NRM-8000A MODE — Communication distance	MAX : 300m
RM-6016 MODE — Communication	Contact
RM-6016 MODE — Speaker Control Circuit Number	14CH
General specification	
Operating temperature	-10°C ~ +40°C
Power source	DC 24V (When using with NRM-8000A MODE, DC 40V)
Power consumption	MAX 10W
Weight(SET)	1.29kg
Dimensions(SET)	200(W) x 73(H) x 206(D)mm

» SPECIFICATION

◆ RM-N3000

	RM-N3000
RM LINK PORT communication method	Ethernet Network Communication(100M/1G)
Operating temperature	0 ˚C ～ +40 ˚C

◆ RM-VA1000

	RM-VA1000
RM LINK PORT communication method	Ethernet Network Communication(100M/1G)
Operating temperature	0℃ ~ +40℃

» MEMO