



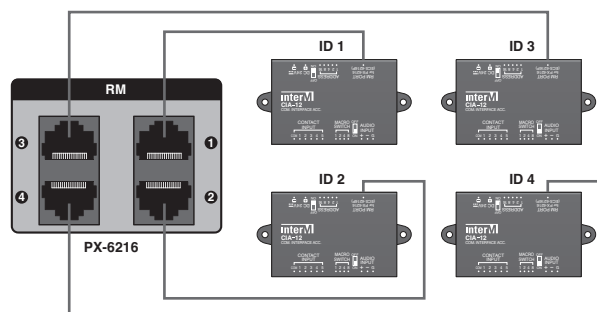
Features

CIA-12 can be connected to 6000 system devices, PX-6216/ECS-6216P and conduct Macro function of RM-6024 without RM-6024. Macro function binds several commands into one command. Macro function of CIA-12 delivers audio signal to selected zones once contact closure is inserted. There are maximum of 5 contact closures to set 48 Macros. Use MS-6100 or MS-6800 program of Inter-M to select zones to receive audio signals per Macro. Macro Function of RM-6024: It binds several zones to one "ZONE SELECTION BUTTON". (Maximum of 160 zones per a button)

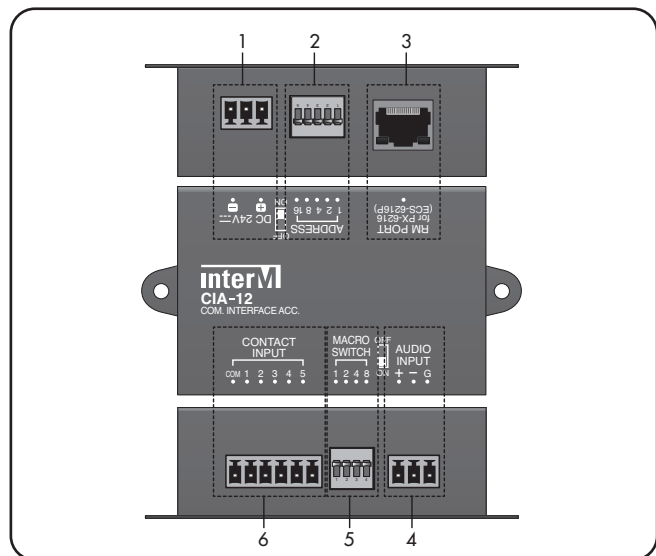
PIN NO.	1	2	3	4	5
Data	1	2	4	8	16
Address	1	ON			
	2		ON		
	3	ON	ON		
	4			ON	
	5	ON		ON	
	:	:	:	:	:
	15	ON	ON	ON	ON
	16				ON

1) When Connecting to the PX-6216:

When connecting 4 units of CIA-12 to the RM terminal of PX-6216, set device number from 1 to 4 orderly. The devices functions orderly though the device number is duplicated. The priority order is RM1 > RM2 > RM3 > RM4.



Part Names and Function



1. DC Power Terminal

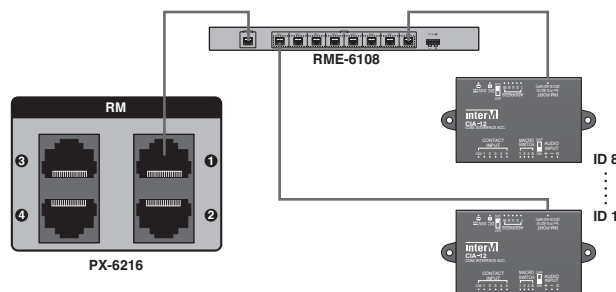
This is a power input terminal of CIA-12 (DC 24V)

2. Device Address Setting Switch

The switch is to set ID ADDRESS of the device. Set ID in accordance with the location of RM input terminal.

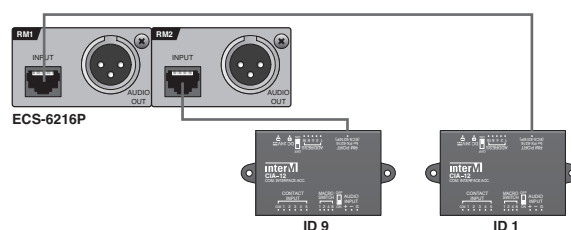
Ex) The table below shows the set-up method, and if DATA number is added to switch turned ON, it will be the equipment number. When No. 1 and 3 is ON, add 1 and 4 which is actual corresponding number, and then equipment number will be 5.

When connecting RME-6108 connected to the RM terminal of PX-6216 to CIA-12, set the device number from 1 to 8 orderly. Maximum of 32 units of CIA-12 can be connected to PX-6216 by using 4 units of RME-6108s and setting the device number of CIA-12 from 1 to 8. Please do not duplicate the device numbers.



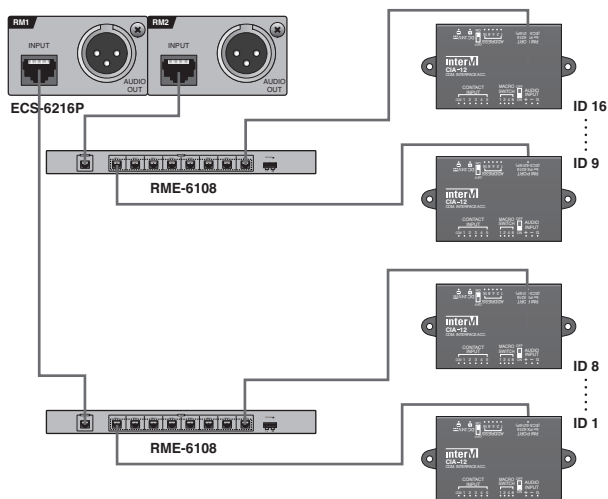
2) When Connecting to the ECS-6216P:

Set the device number of CIA-12 which is connected to RM1 terminal of ECS-6216P "NUMBER 1" and "NUMBER 9" to the CIA-12 connected to RM2 terminal.



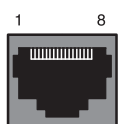


When connecting CIA-12 to the RME-6108 connected to the RM 1 terminal of ECS-6216P, select the device number from 1 to 8 orderly. When connecting CIA-12 to RME-6108 connected to RM2 terminal of ECS-6216P, select the device number from 9 to 16 orderly. Use 2 units of RME-6108 and set the device number of the CIA-12 from 1 to 16 to connect maximum of 16 CIA-12 to ECS-6216P. Please do not duplicate the device numbers.



3. RM PORT for PX-6216, ECS-6216P (RJ-45)

- The terminal delivers communication DATA and audio signals. Connect RM terminal of PX-6216 and ECS-6216P. Activate Macro function depending on the contact closure input and Macro setting switch.



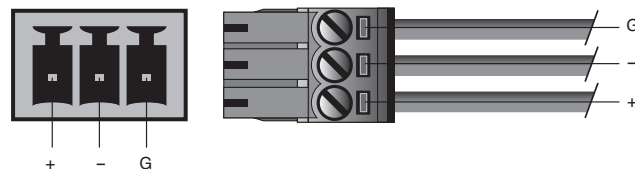
NO	Function
1	TXP
2	TXN
3	RXN
4	LIVE
5	GND
6	RXP
7	AUDIO_+
8	AUDIO_-

- Explanations of the LED Colors

- 1) The green LED blinks when all ADDRESS setting switches are OFF.
- 2) The green LED is turned OFF when all ADDRESS setting switches are operating properly.
- 3) The yellow LED turns ON when communication between the MASTER device is NOT operating properly.
- 4) The yellow LED turns OFF when communication between the MASTER device is operating properly.
- 5) Both green and yellow LEDs are OFF after properly connected.
- 6) The green LED turns ON when contact closure signal is entered.
- 7) The yellow LED blinks when higher priority RM terminal than CIA-12 connected RM terminal is in use.

4. Audio Input Terminal

This terminal receives external audio signals. Please refer to below necessary cable for the terminal.



5. Macro Setting Switch

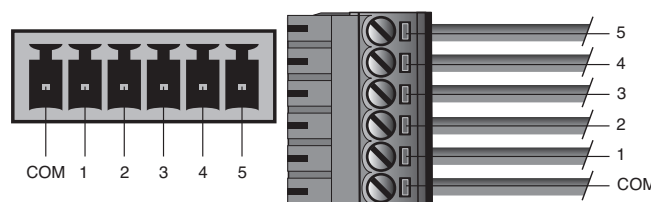
The switch is to set Macro numbers.

Ex) Macro setting is done as follows, Macro numbers pertaining to the ON switch are set on CIA-12. Once "NUMBER 1" and "NUMBER 3" are switched on, the following Macro numbers from 21 through 25 are set as Macro.

PIN NO.	1	2	3	4
1-5	ON			
6-10		ON		
11-15	ON	ON		
16-20			ON	
21-25	ON		ON	
26-30		ON	ON	
31-35	ON	ON	ON	
36-40				ON
41-45	ON			ON
46-48		ON		ON

6. Contact Closure Input Terminal

This terminal receives five dry contacts. Once Macro numbers in Macro setting switch are set up, Macro is selected as per the connection with the contact closure inputs. Please refer to below necessary cable for the terminal.



Ex) As the Macro numbers from 1 through 5 are set on Macro setting switch connecting "NUMBER 5" contact closure inputs, "NUMBER 5" macro function is activated. Once Macro numbers are set as 46-48 connecting "NUMBER 3" contact closure input, the Macro function for "NUMBER 48" is activated. As there is no Macro number for the contact closure inputs of both "NUMBER 4" and "NUMBER 5", there are no actions. Please refer to the following cases in terms of priority of the dry contact.

- 1) Additional Contact Closure Inputs:

As the Macro numbers are set as "NUMBER 1-5" connecting "NUMBER 5" contact closure input, the macro function for "NUMBER 5" is activated. In this case, although additional contact closure input of "NUMBER 4" is connected, CIA-12 consecutively operates "NUMBER 5" Macro function according to the preceding "NUMBER 5" dry contact. However, while the Macro function of "NUMBER 5" is operating, connecting

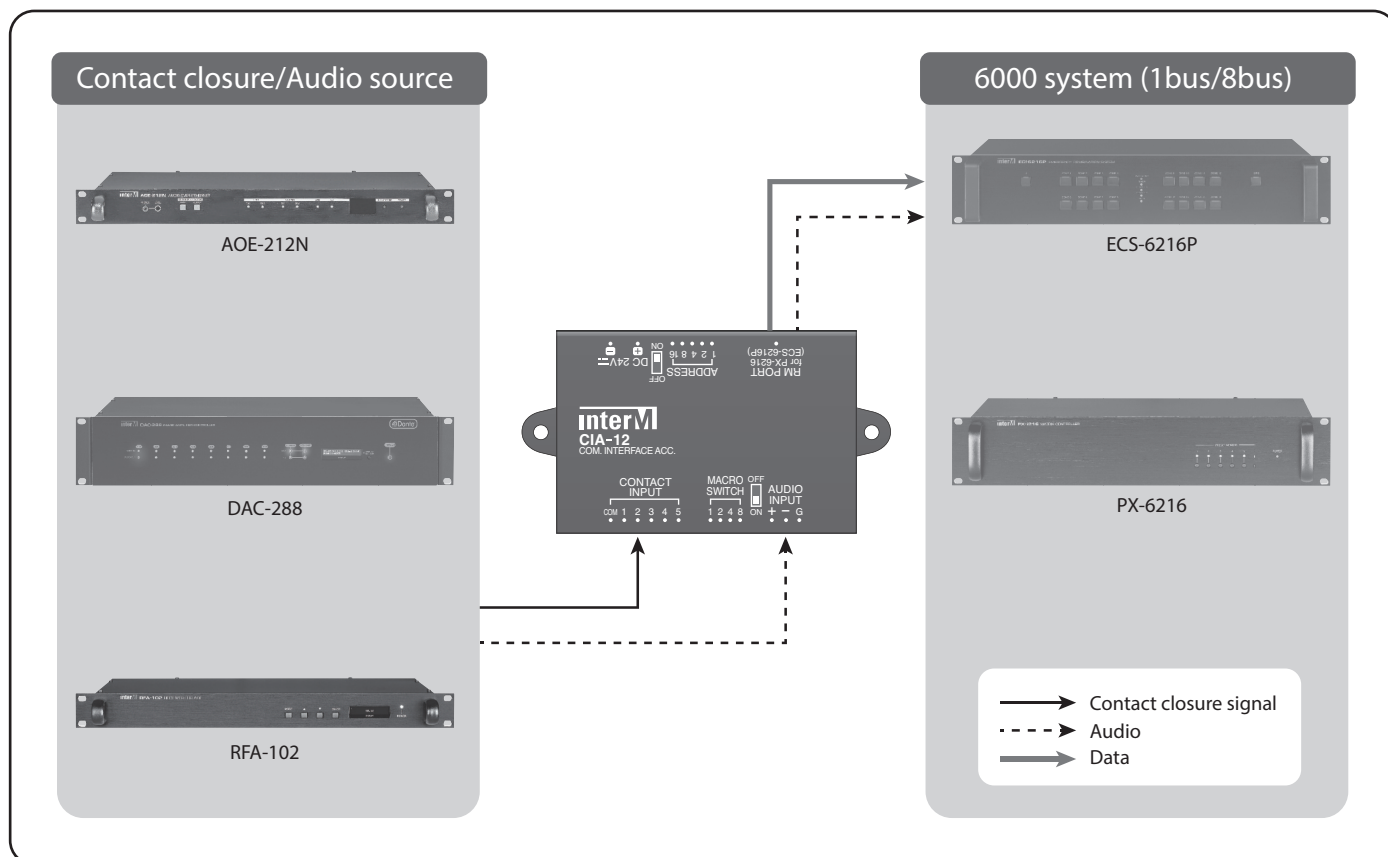


"NUMBER 4" contact closure makes "NUMBER 5" dry contact cut off, and then CIA-12 works with "NUMBER 4" Macro.

2) More than two Contact Closure Inputs:

As the Macro numbers are set as "NUMBER 1-5" connecting "NUMBER 5" contact closure input, the macro function of "NUMBER 5" is activated. In this case, although additional contact closure input of "NUMBER 4" is connected, CIA-12 consecutively operates "NUMBER 5" Macro function according to the preceding "NUMBER 5" dry contact. However, while the Macro function of "NUMBER 5" is operating, connecting "NUMBER 3" and "NUMBER 4" contact closure inputs in sequence makes "NUMBER 5" dry contact cut off, and then CIA-12 works with "NUMBER 3" Macro. In this state, if "NUMBER 3" contact closure input cuts off again, CIA-12 works with "NUMBER 4" Macro. The MACRO selection priority order in connecting more than two contact closure inputs is 1>2>3>4>5.

Applications





Specification

	CIA-12
Max input/output level	DIRECT PATH
Data communication	
Communication Protocol	RS-422
Contact closure inputs	INPUT 5 CHANNEL
Normal feature	
Operating temperature	-10°C~+40°C
Power	DC 24V, 500mA
Weight	0.12kg / 0.26lb
Dimensions	93(W)×27.8(H)×52(D)mm / 3.66(W)×1.09(H)×3.04(D)in

* Design and specification are subject to be changed for the improvement of product quality without pre notice.

Caution

1. When a module is installed, please make sure that the device is turned off, and then the module is inserted.
2. When a module is installed, please make sure that you have definitely checked support devices.

Dimensions

