

9000M2 Series
Quick Start Guide
- Multi Zone Paging-
Office / School Using Scene Changes

System Overview

9000M2 Series Mixer Amplifier and audio devices are installed in a Security office. There are eight speaker zones (Hall, Cafeteria, Conference room, Security office, Parking, Yard).

When the emergency situation happens, evacuation announcements are generated by using a microphone. Remote controllers on the wall can select which areas receive the page. Paging through telephone PBX to selected areas is also available. When the emergency announcement inputs to the 9000M2, a contact can be triggered from the 9000M2 to activate Emergency Lights.

System Components

1. A-9120DHM2 x 1
2. ZM-9013 x 1
3. ZM-9014 x 1
4. D-001T x 1
5. T-001T x 3
6. ZP-001 x 1
7. S-20S x 1
8. T-001T x 3
9. RC-001T x 1 (with AD-246)

10. PM-660U x 1
11. Phone
12. P-9120DH
13. DA-500F-HL
14. DA-250DH
15. PC-671R
16. PE-304
17. HX-5B
18. F-1000BT
19. SC-615T

Setting

Input 1 (D-001T): PM-660U

Input 2 (ZP-001T): PBX

Input 3 (S-20S): Emergency Announcements

Output 1 (A-9120DHM2): Hall A

Output 2 (A-9120DHM2): Hall B

Output 3 (P-9120DH): Hall C

Output 4 (P-9120DH): Hall D

Output 5 (DA-500F-HL): Cafeteria

Output 6 (DA-500F-HL): Auditorium/Conference Room

Output 7 (DA-250DH): Security Office

Output 8 (DA-250DH): Parking Lot/ School Yard

Remote out (RC-001T): ZM-9013 [0] >> ZM-9014 [1]

Button Configuration

ZM-9013

Button 1: Paging 1 route to speaker output 1.

Button 2: Paging 1 route to speaker output 2.

Button 3: Paging 1 route to speaker output 3.

Button 4: Paging 1 route to speaker output 4.

Button 5: Paging 1 route to speaker output 5.

Button 6: Paging 1 route to speaker output 6.

Button 7: Paging 1 route to speaker output 7.

Button 8: Paging 1 route to speaker output 8.

ZM-9014

Button 1: Paging 1 route to speaker output 1-8.

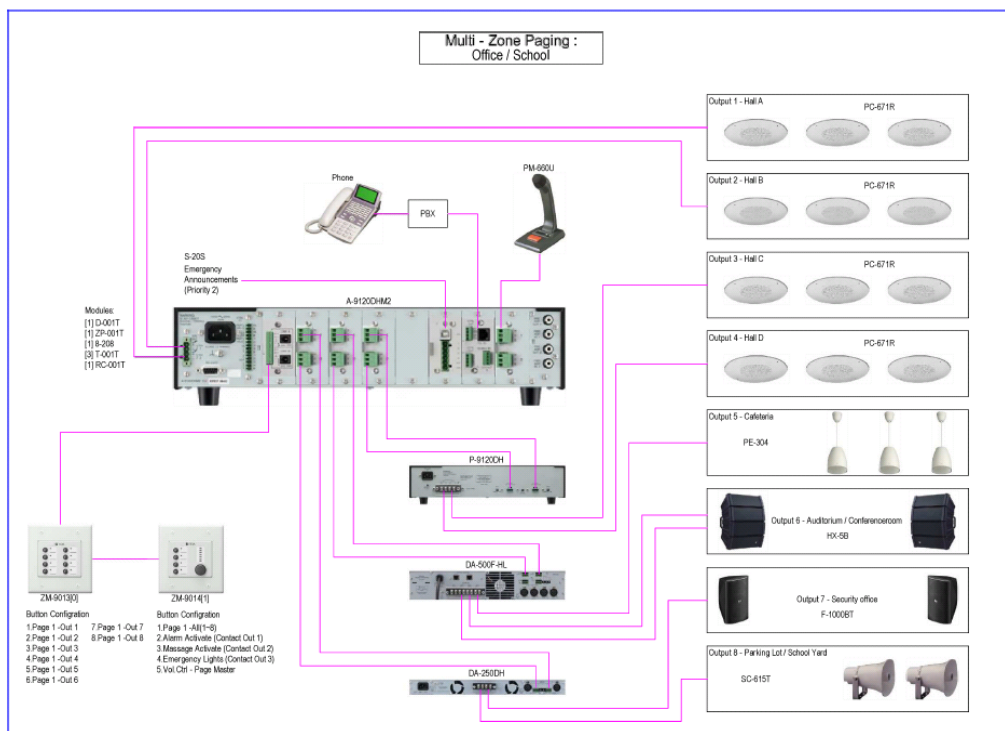
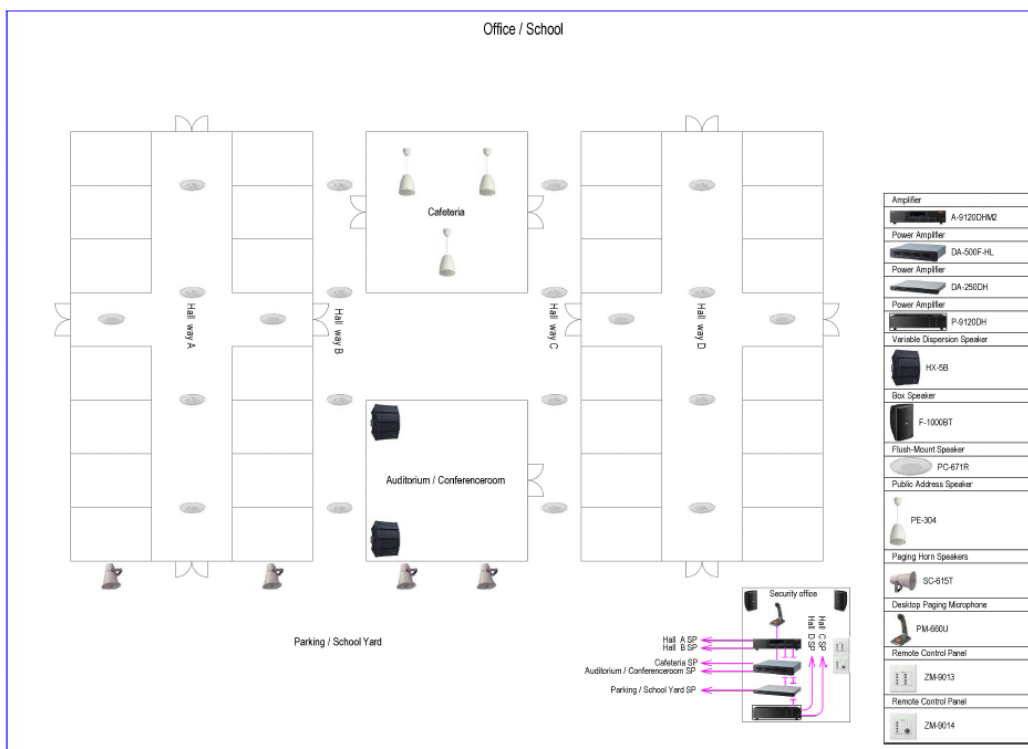
Button 2: Contact output 1 (Alarm Activate)

Button 3: Contact output 2 (Message Activate)

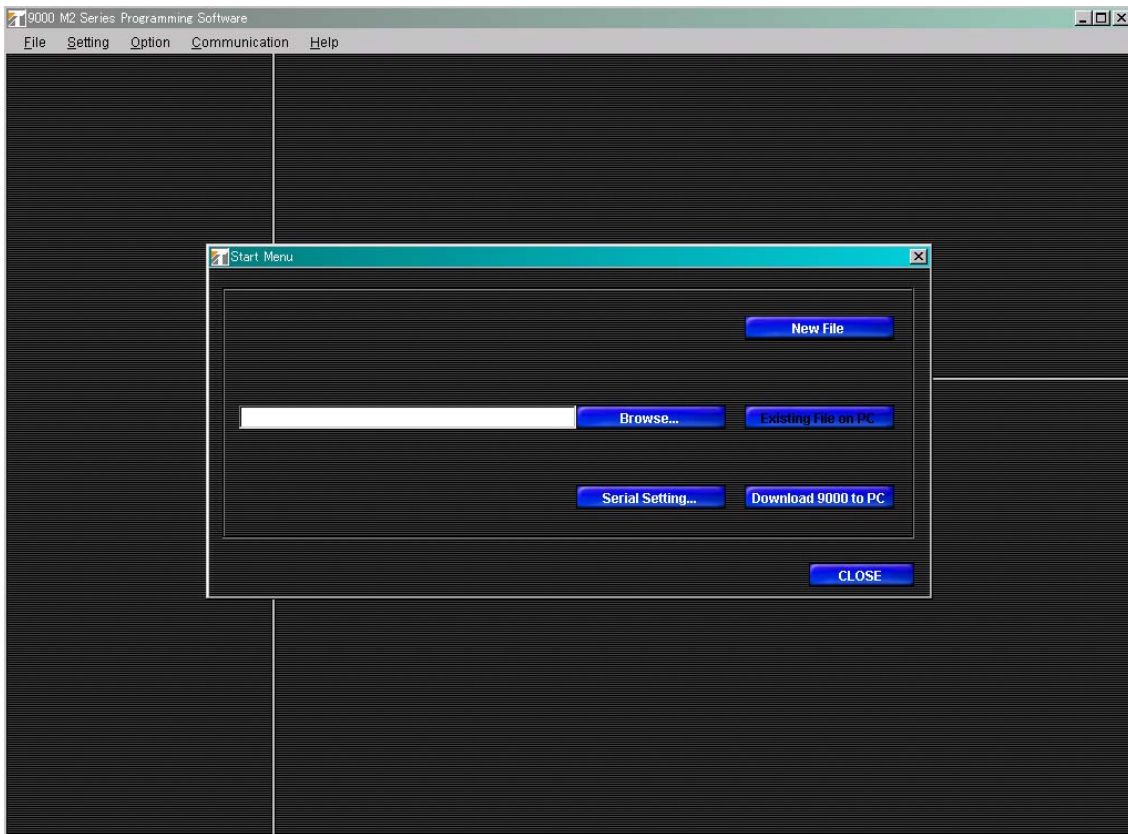
Button 4: Contact output 3 (Emergency Lights)

Volume: Paging Master Volume

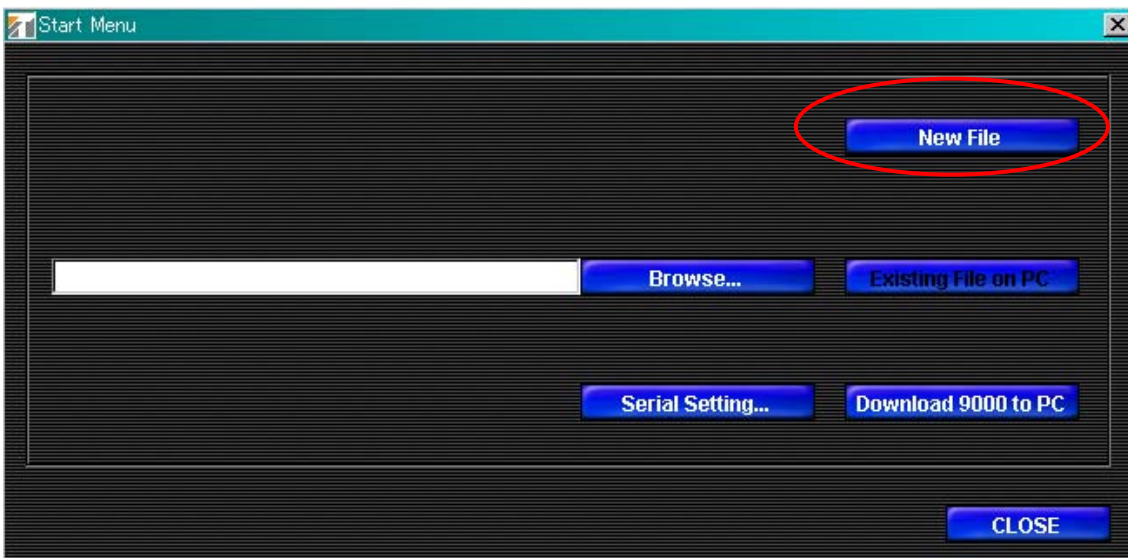
Configuration



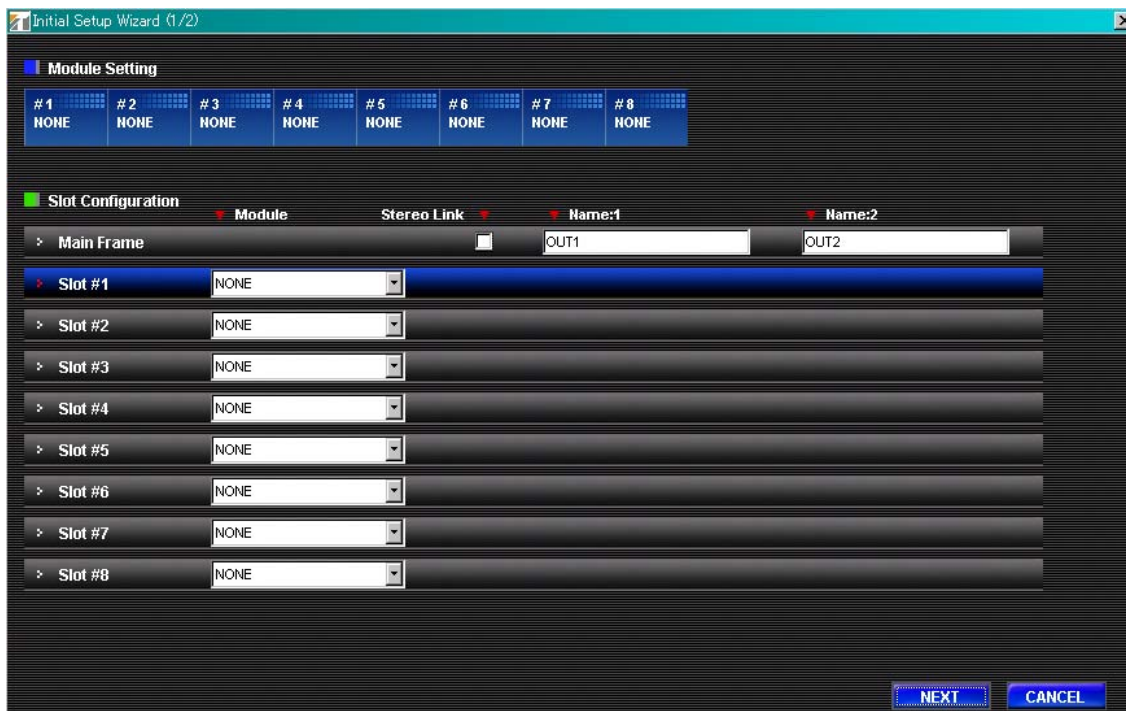
1. The following is the initial setting wizard screen.



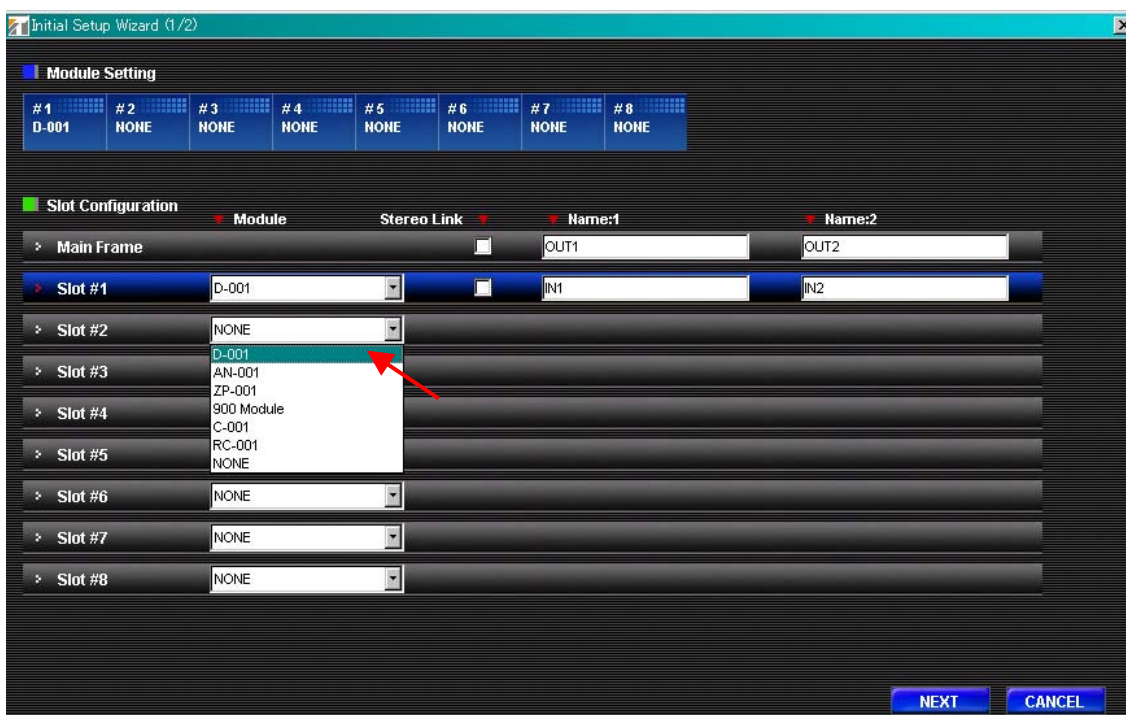
2. Click “ New File” on the Start Menu window.



3. Set module configurations.



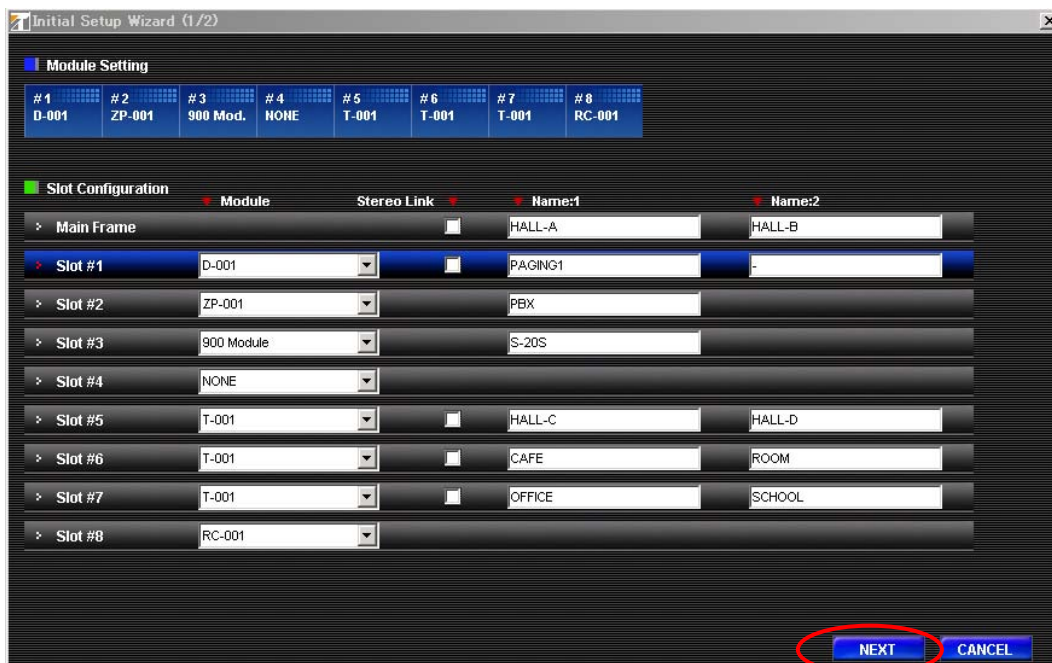
4. Select the modules to be inserted into the amplifier's slots from the pull-down menu in the Module field.



5. Select a module for each slot. At the same time, name each channel (ex. "MIC1").

Main Frame	Name 1 >> "HALL-A"	Name 2 >> "HALL-B"
Slot #1 >> D-001	Name 1 >> "PAGING1"	Name 2 >> "-"
Slot #2 >> ZP-001	Name 1 >> "PBX"	
Slot #3 >> 900 Module	Name 1 >> "S-20S"	
Slot #4 >> NONE		
Slot #5 >> T-001	Name 1 >> "HALL-C"	Name 2 >> "Hall-D"
Slot #6 >> T-001	Name 1 >> "CAFE"	Name 2 >> "ROOM"
Slot #7 >> T-001	Name 1 >> "OFFICE"	Name 2 >> "SCHOOL"
Slot #8 >> RC-001		

6. Click the "NEXT" button when finished.



7. The following window is for setting devices connected to REMOTE VOLUME terminal on 9000M2 rear panel. If you do not use ZM-9001, ZM-9002 or ZM-9003, select “NONE” from the combo box “TYPE”.

The image shows a screenshot of the 'Initial Setup Wizard (2/2)' window. It contains two sections: 'REMOTE VOL 1' and 'REMOTE VOL 2'. Each section has a 'TYPE' dropdown menu set to 'REMOTE VOLUME' and a 'VOLUME' dropdown menu. For 'REMOTE VOL 1', the 'VOLUME' dropdown is set to 'OUT1'. For 'REMOTE VOL 2', the 'VOLUME' dropdown is set to 'OUT2'. At the bottom right, there are three buttons: 'BACK', 'FINISH', and 'CANCEL'.

8. In this “Multi-zone Paging” application, select NONE both REMOTE VOL1 and REMOTE VOL 2

This image is a close-up of the 'TYPE' dropdown menu for 'REMOTE VOL 1'. The dropdown is open, showing a list of options: 'NONE', 'REMOTE VOLUME', 'ZM-9001', and 'ZM-9002'. The 'NONE' option is currently selected and highlighted.

9. Click “Next” button.

The screenshot shows the 'Initial Setup Wizard (2/2)' window. It has two sections: 'REMOTE VOL 1' and 'REMOTE VOL 2'. Each section has a 'TYPE' dropdown menu currently set to 'NONE'. At the bottom right, there are three buttons: 'BACK', 'FINISH', and 'CANCEL'.

10. Setting for Remote Controller: ZM-9011/9012/9013/9014.

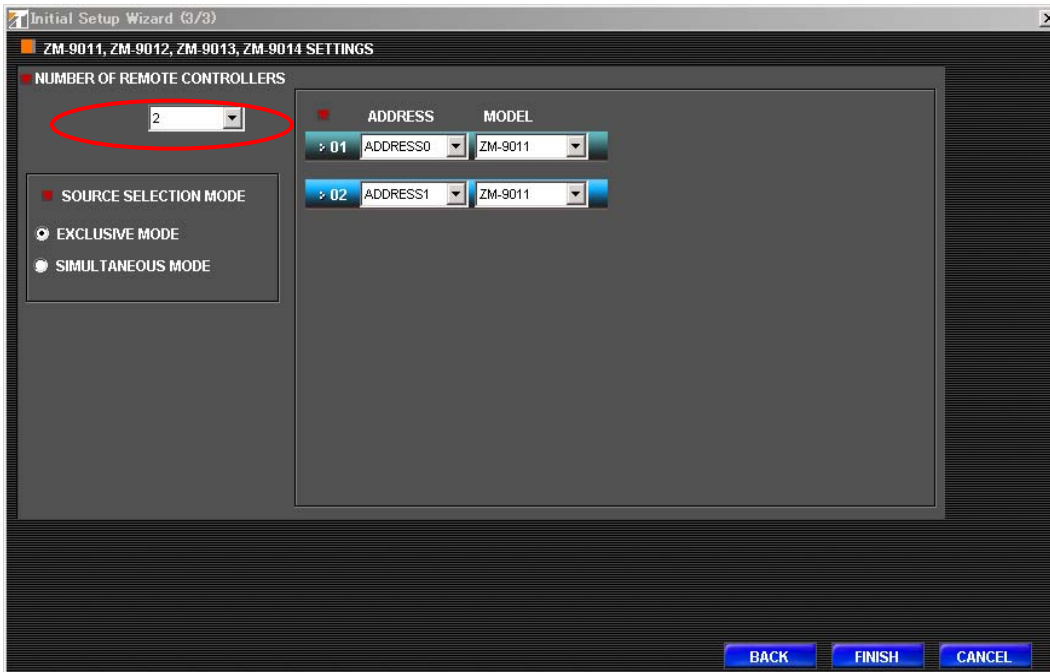
The screenshot shows the 'Remote Controller Setting Wizard' window. It has a title bar and a main area with the following elements:

- ZM-9011, ZM-9012, ZM-9013, ZM-9014 SETTINGS**
- NUMBER OF REMOTE CONTROLLERS**: A dropdown menu set to '4'.
- SOURCE SELECTION MODE**: Two radio buttons, 'EXCLUSIVE MODE' (selected) and 'SIMULTANEOUS MODE'.
- ADDRESS and MODEL table**: A table with 4 rows, each corresponding to a remote controller (01 to 04). Each row has an 'ADDRESS' dropdown (ADDRESS0 to ADDRESS3) and a 'MODEL' dropdown (ZM-9011).

At the bottom right, there are two buttons: 'NEXT' and 'CANCEL'.

11. Select how many Remote Controller you use.

In this application, select “2”.



12. Select “ZM-9013” from the combo box “MODEL” for 01.

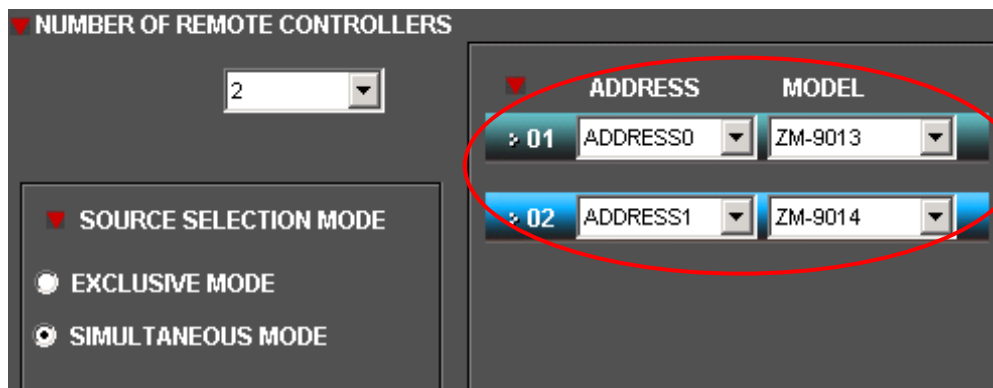
And select “ZM-9014” from the combo box “MODEL” for 02.

If “CROSS POINT CHANGE” function will be assigned to a button of Remote Controller, select either type of “SOURCE SELECTION MODE”.

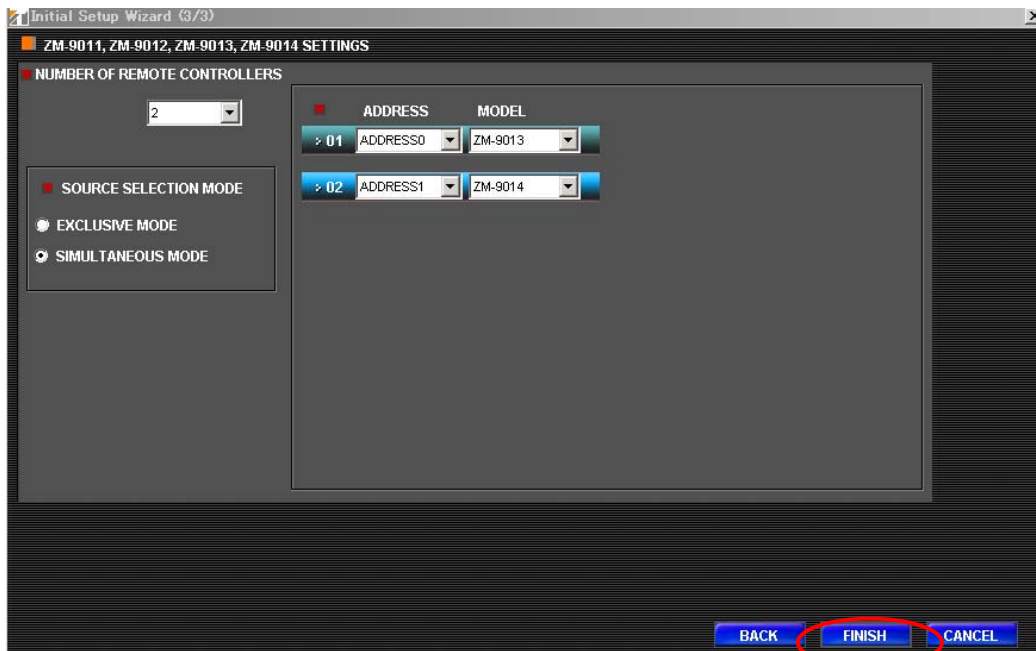
EXCLUSIVE MODE: A single cross point can be turned ON for each output channel.

SIMULTANEOUS MODE: Multiple cross points can be arbitrarily turned ON.

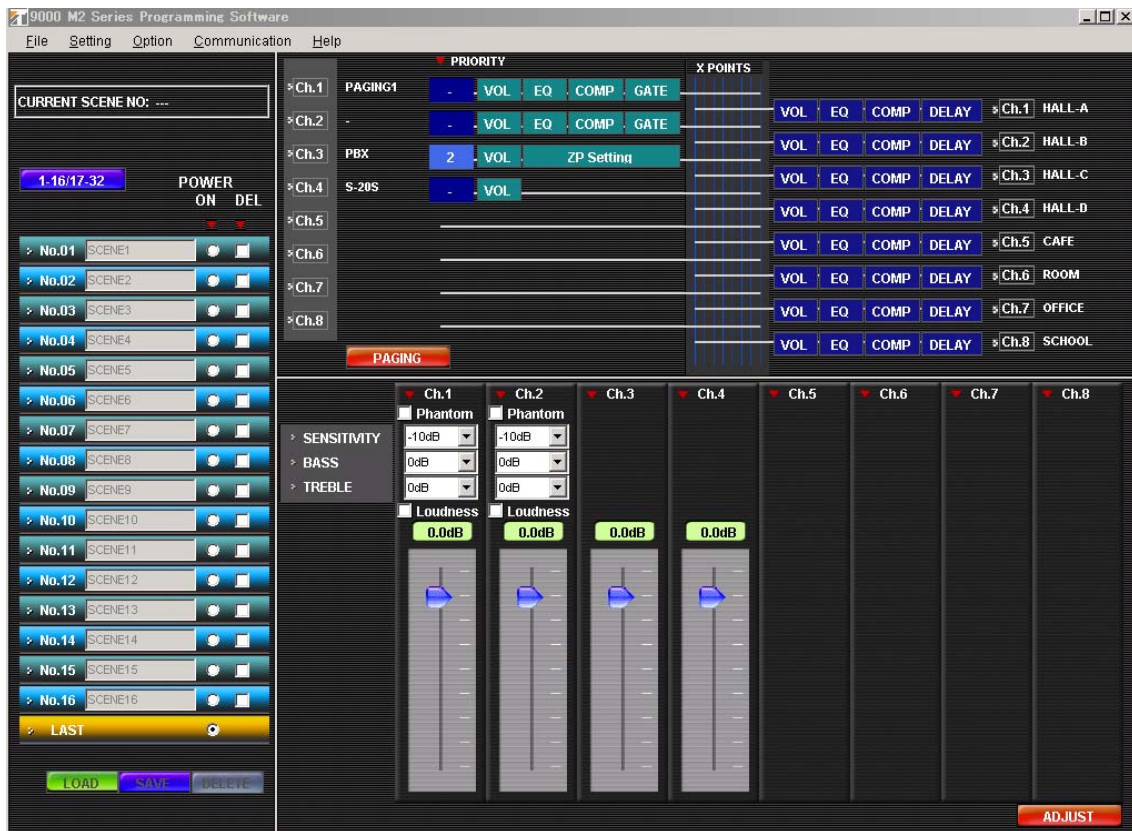
Here, check “SIMULTANEOUS MODE”.



13. Click “FINISH” button. That means the initial setting is completed.



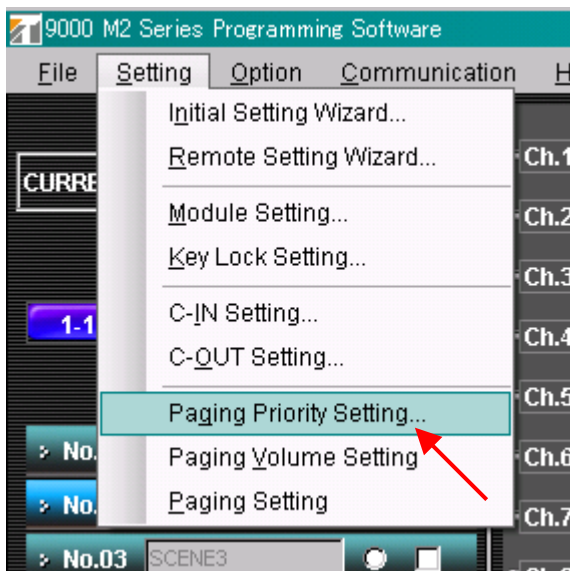
14. Programming Software is opened.



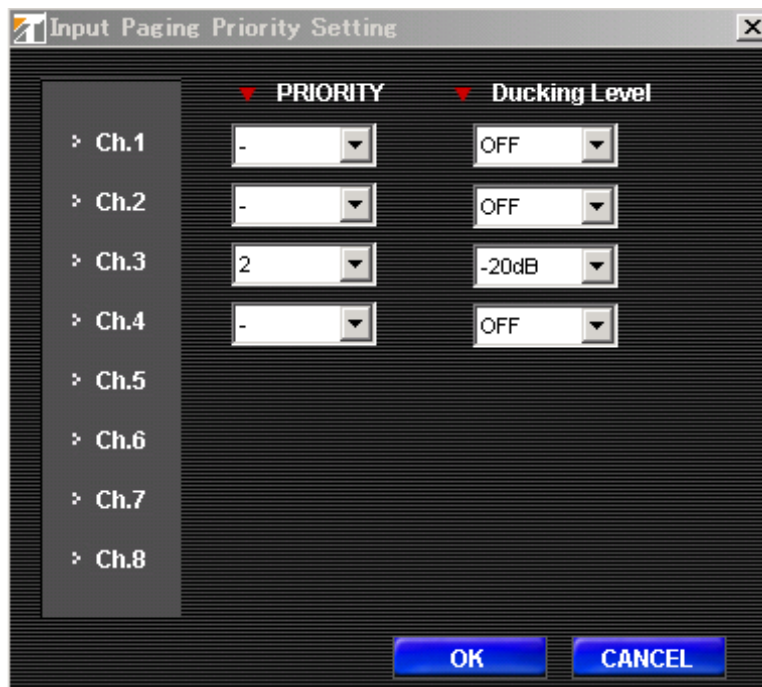
15. In this application, INPUT 1 (microphone) and INPUT 3 (PBX) and INPUT 4(Emergency Announcements) have priority.

Then, regard those inputs as paging inputs.

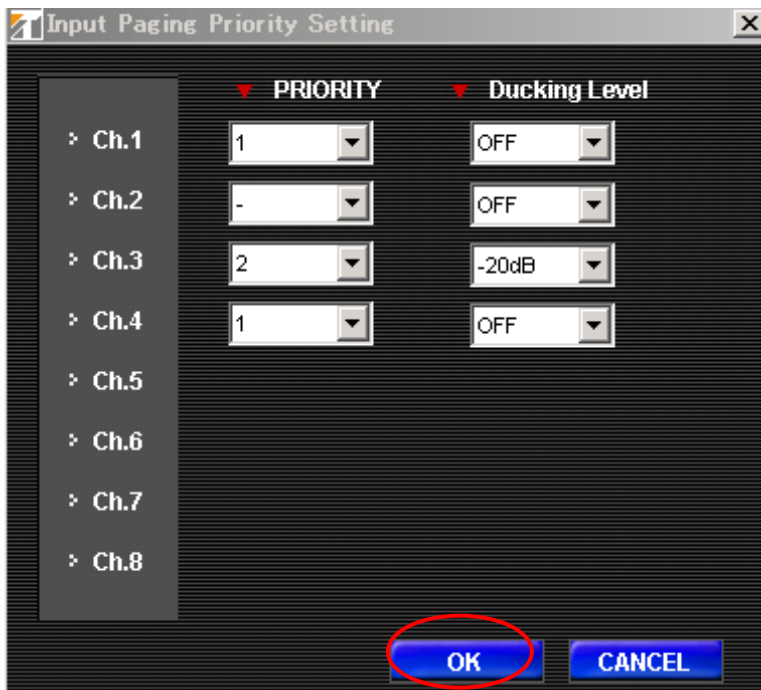
Click “Setting” on the menu bar and select “Paging Priority Setting”.



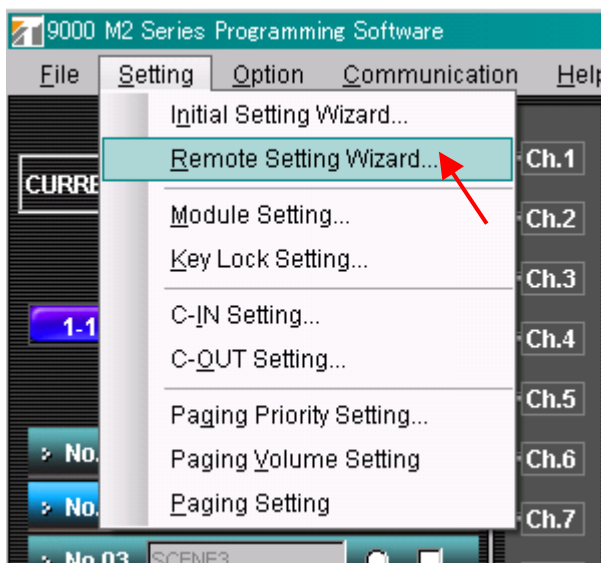
16. The following window opens.



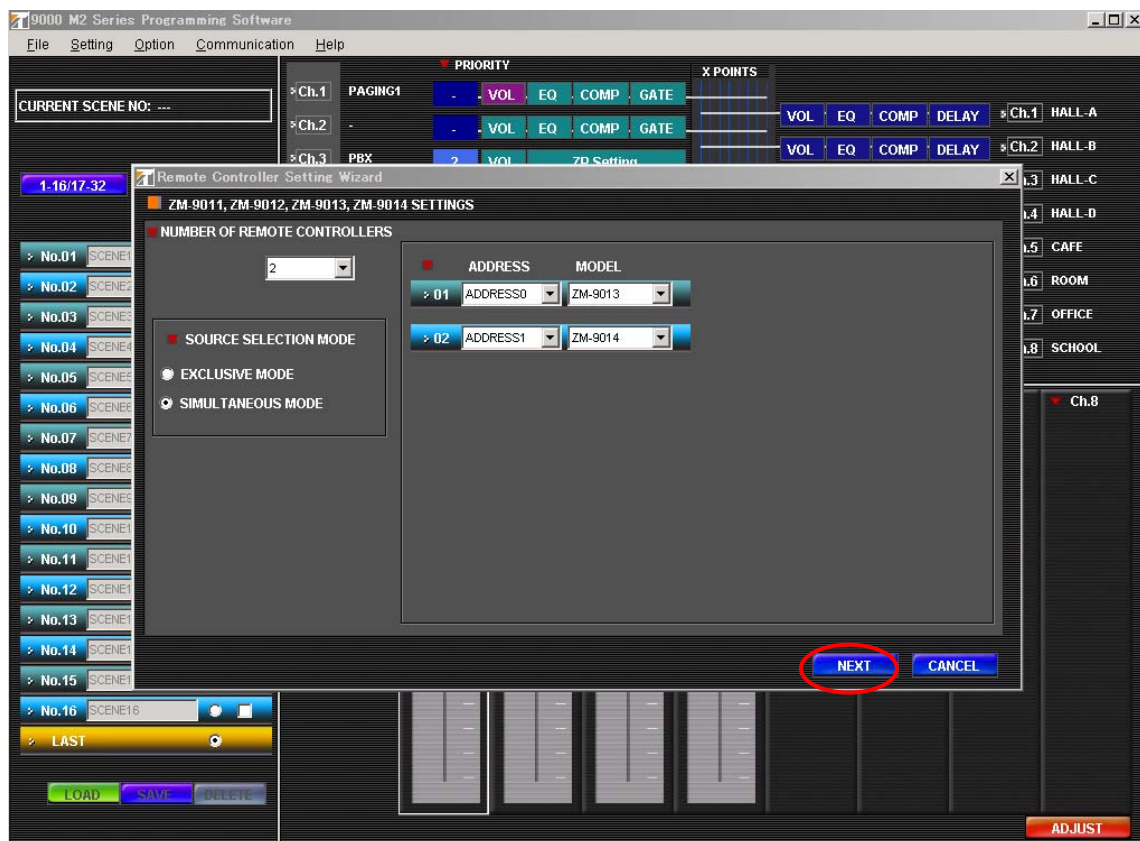
17. Assign priority level “1” to Input Channel 1 (microphone) and Channel 4 (Emergency announcements). Click the “OK” button.



18. Setting of assignment to five ZM-9014s and one ZM-9013. Click “Setting” on the menu bar and select “Remote Setting Wizard”.



19. Remote Controller Setting Wizard is opened. Just click “NEXT” button.



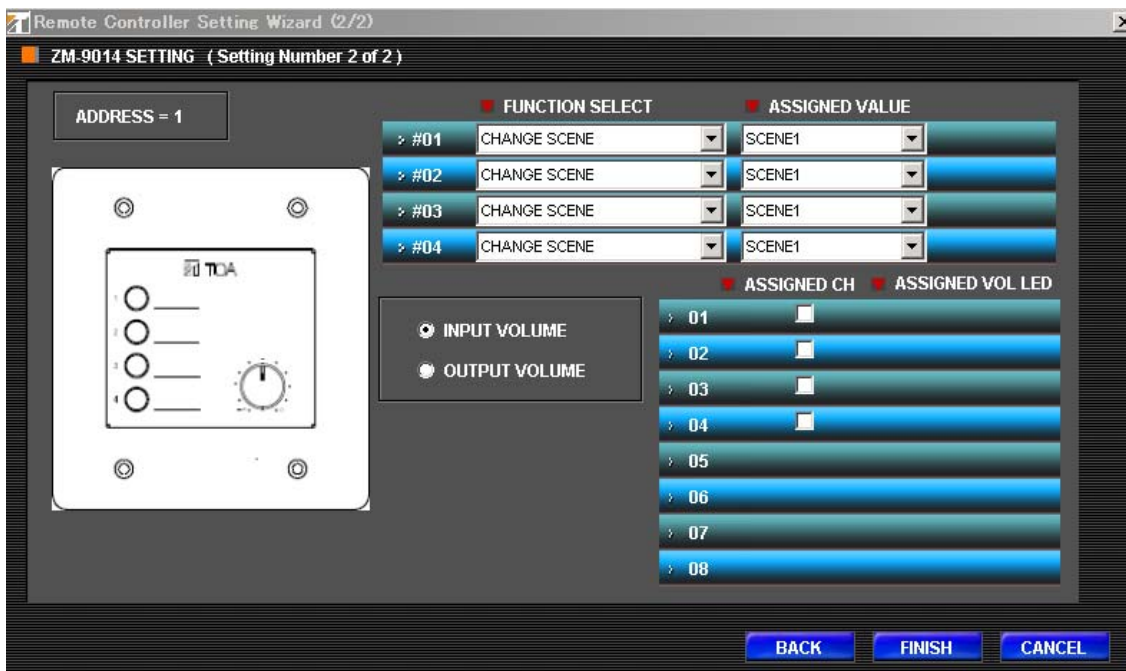
20. Setting of the ZM-9013[0]. Here, we assign a function to each button.



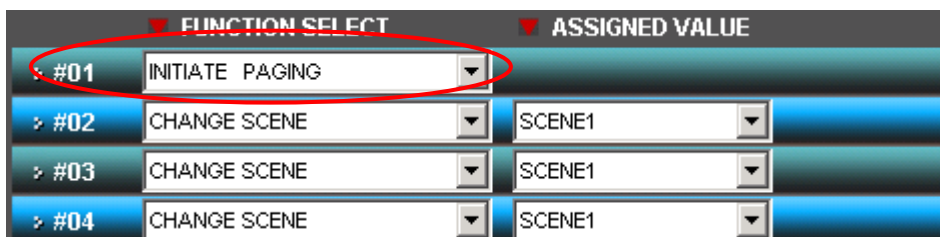
21. Select the "INITIATE PAGING" #01 to #08. Click "NEXT" button.



22. Setting of the first ZM-9014[1]. Here, we assign a function to each button and knob.



23. Assign one function to each button. Here, assign #01 "INITIATE PAGING" function.



24. Assign #02 to #04 “CHANGE C-OUT” function and select the combo box ASSIGNED VALUE.

#02 >> “CHANGE C-OUT” ASSIGNED VALUE >> LEVEL, 1
 #03 >> “CHANGE C-OUT” ASSIGNED VALUE >> LEVEL, 2
 #04 >> “CHANGE C-OUT” ASSIGNED VALUE >> TOGGLE, 3

	FUNCTION SELECT	ASSIGNED VALUE
#01	INITIATE PAGING	
#02	CHANGE C-OUT	LEVEL 1
#03	CHANGE C-OUT	LEVEL 2
#04	CHANGE C-OUT	TOGGLE 3

25. Assign “INPUT VOLUME” to the knob and select the ASSIGNED CH “01”, “02” and “03”. Click “FINISH” button.

Remote Controller Setting Wizard (2/2)

ZM-9014 SETTING (Setting Number 2 of 2)

ADDRESS = 1

FUNCTION SELECT

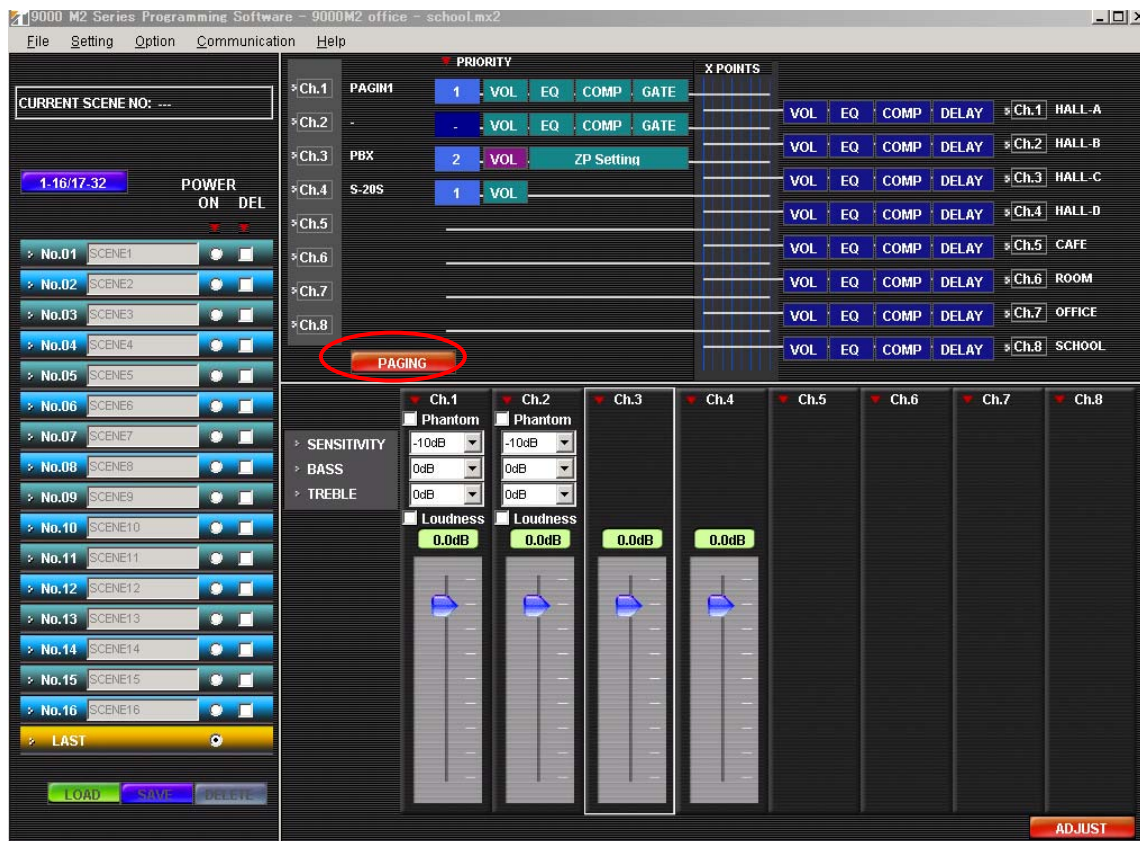
	FUNCTION SELECT	ASSIGNED VALUE
#01	INITIATE PAGING	
#02	CHANGE C-OUT	LEVEL 1
#03	CHANGE C-OUT	LEVEL 2
#04	CHANGE C-OUT	TOGGLE 3

ASSIGNED CH

ASSIGNED CH	ASSIGNED VOL LED
01	<input checked="" type="checkbox"/>
02	<input checked="" type="checkbox"/>
03	<input checked="" type="checkbox"/>
04	<input checked="" type="checkbox"/>
05	<input type="checkbox"/>
06	<input type="checkbox"/>
07	<input type="checkbox"/>
08	<input type="checkbox"/>

BACK FINISH CANCEL

26. Move on to “Paging Setting”. Click “PAGING” button.



27. Set paging function of Channel 1 (microphone) and Channel 4 (S-20S).

The screenshot displays a radio system configuration interface. The top section shows channel settings for 8 channels (Ch.1 to Ch.8). Channel 1 is set to PAGING1 with priority 1 and EQ, COMP, and GATE functions. Channel 4 is set to S-20S with priority 1 and VOL function. The bottom section shows a list of 11 channels (No.1 to No.11) with their respective INPUT, PRIORITY, TRIGGER, and SYNC OUT settings. The LIFO button is active, and the OUTPUT Ch. is set to 1.

Channel	Input	Priority	EQ	COMP	GATE	Other Functions
Ch.1	PAGING1	1	VOL	EQ	COMP	GATE
Ch.2	-	-	VOL	EQ	COMP	GATE
Ch.3	PBX	2	VOL	ZP Setting		
Ch.4	S-20S	1	VOL			
Ch.5						
Ch.6						
Ch.7						
Ch.8						

No.	INPUT	PRIORITY	TRIGGER	1	2	3	4	5	6	7	8	SYNC OUT
No.1	NONE											
No.2	NONE											
No.3	NONE											
No.4	NONE											
No.5	NONE											
No.6	NONE											
No.7	NONE											
No.8	NONE											
No.9	NONE											
No.10	NONE											
No.11	NONE											

28. Select “IN1” from “INPUT” part for No.1.

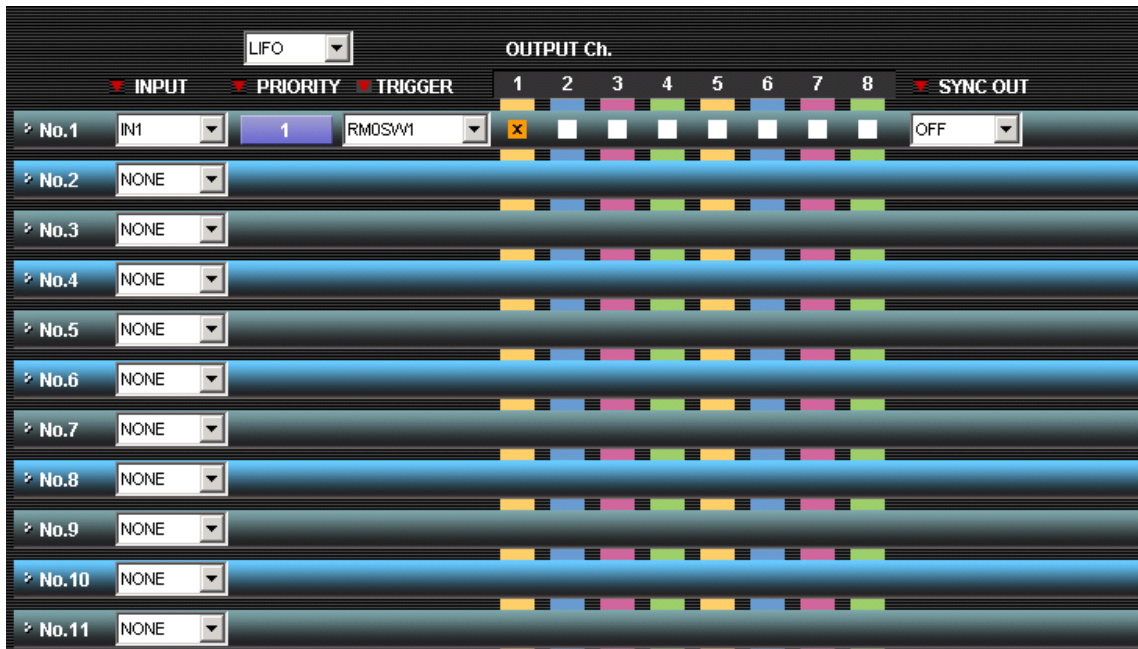


29. It is required that pressing the button #01 of the ZM-9013 allows INPUT 1(paging) to route to only OUTPUT1. Select RM0SW1 from “TRIGGER” combo box.

*RM0SW1 = Remote Controller (Address=0), Switch (button) #01.

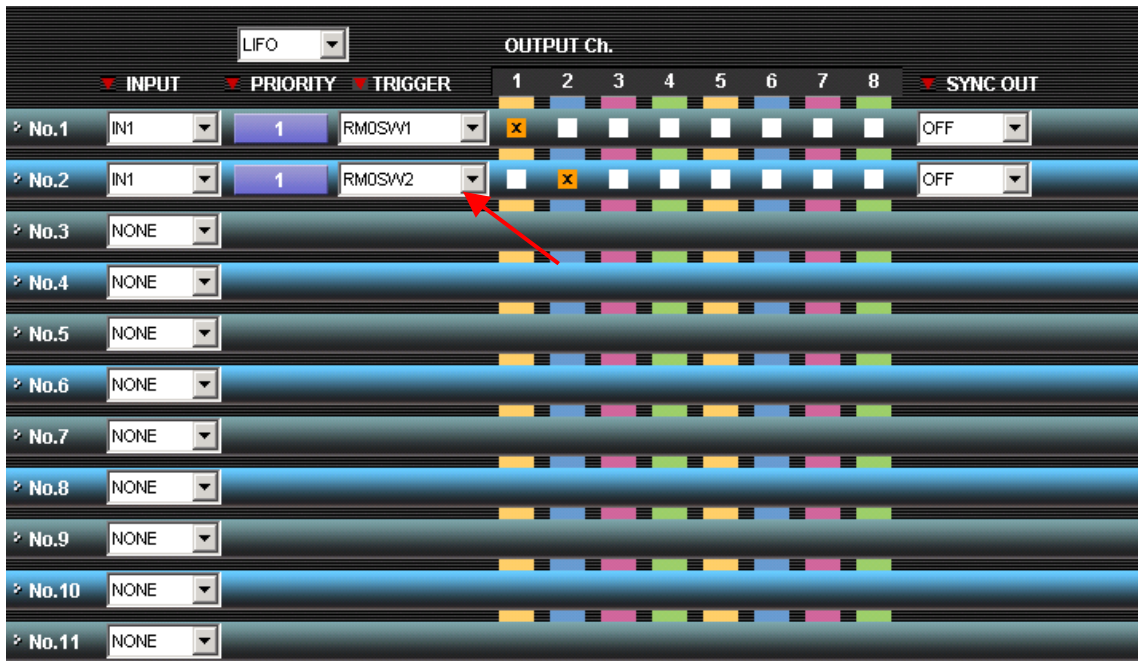


30. Check at OUTPUT Ch. 1 box.



31. As well as No.1, continue to set paging function.

Pressing the button #02 of the ZM-9013 allows INPUT 1(paging) to route to only OUTPUT2.
Select RM1SW2 from “TRIGGER” combo box. Check at OUTPUT Ch. 2 box.



32. As well as No.1 and No.2, continue to select “TRIGGER” and check “OUTPUT ch.” as follows. Then paging function of “INPUT 1(paging)” is now complete.

	INPUT	PRIORITY	TRIGGER	1	2	3	4	5	6	7	8	SYNC OUT
No.1	IN1	1	RMOSW1	x								OFF
No.2	IN1	1	RMOSW2		x							OFF
No.3	IN1	1	RMOSW3			x						OFF
No.4	IN1	1	RMOSW4				x					OFF
No.5	IN1	1	RMOSW5					x				OFF
No.6	IN1	1	RMOSW6						x			OFF
No.7	IN1	1	RMOSW7							x		OFF
No.8	IN1	1	RMOSW8								x	OFF
No.9	NONE											
No.10	NONE											
No.11	NONE											

33. Next, select “IN3” from “INPUT” combo box for No.9.
Select ZP(MANUAL) from “TRIGGER” combo box.

	INPUT	PRIORITY	TRIGGER	1	2	3	4	5	6	7	8	SYNC OUT
No.1	IN1	1	RMOSW1	x								OFF
No.2	IN1	1	RMOSW2		x							OFF
No.3	IN1	1	RMOSW3			x						OFF
No.4	IN1	1	RMOSW4				x					OFF
No.5	IN1	1	RMOSW5					x				OFF
No.6	IN1	1	RMOSW6						x			OFF
No.7	IN1	1	RMOSW7							x		OFF
No.8	IN1	1	RMOSW8								x	OFF
No.9	IN3	2	ZP(MANUAL)									OFF
No.10	NONE											
No.11	NONE											

34. Next, select “IN4” from “INPUT” combo box for No.10.

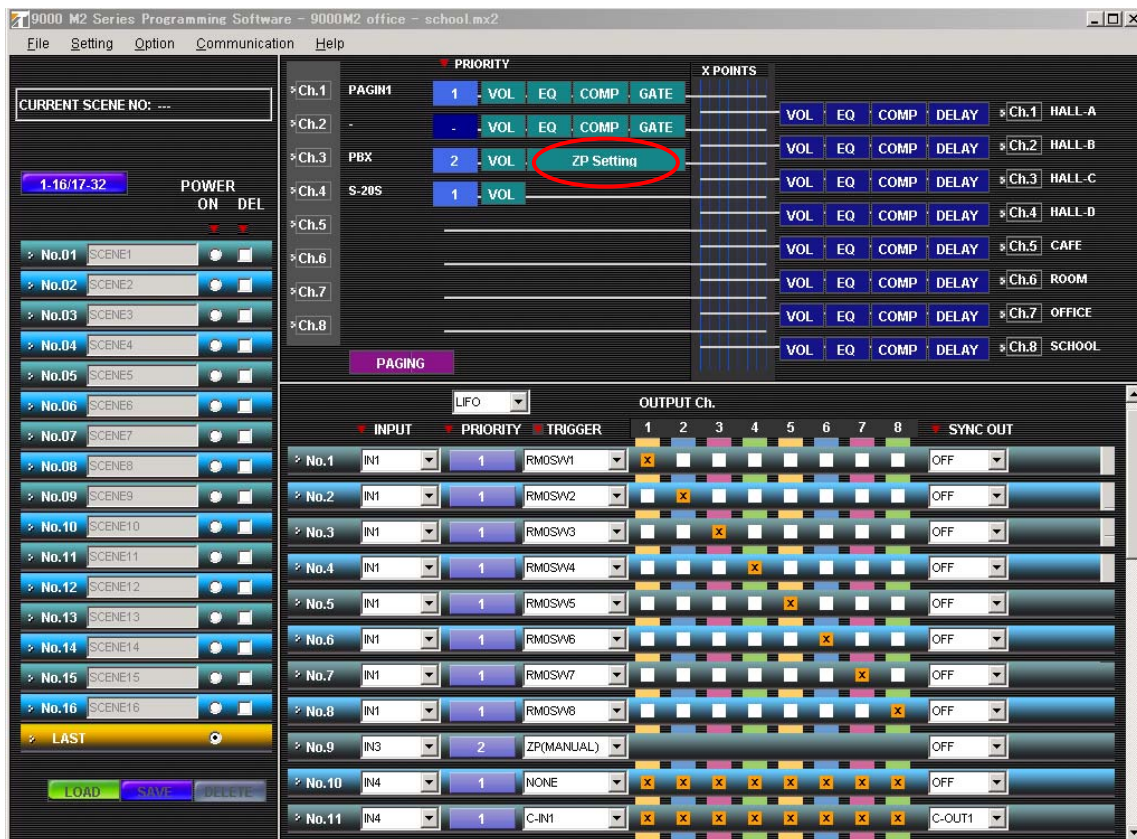
Check “OUTPUT ch.” as follows.

No.	INPUT	TRIGGER	SYNC OUT	OUTPUT ch.
No.1	IN1	1	RM0SW1	OFF
No.2	IN1	1	RM0SW2	OFF
No.3	IN1	1	RM0SW3	OFF
No.4	IN1	1	RM0SW4	OFF
No.5	IN1	1	RM0SW5	OFF
No.6	IN1	1	RM0SW6	OFF
No.7	IN1	1	RM0SW7	OFF
No.8	IN1	1	RM0SW8	OFF
No.9	IN3	2	ZP(MANUAL)	OFF
No.10	IN4	1	NONE	OFF

35. As well as No.11, No.12 and No.13, continue to select “TRIGGER” and check “OUTPUT ch.” as follows. Select C-OUT from “SYNC OUT” combo box as follows.

No.	INPUT	TRIGGER	SYNC OUT	OUTPUT ch.
No.8	IN1	1	RM0SW8	OFF
No.9	IN3	2	ZP(MANUAL)	OFF
No.10	IN4	1	NONE	OFF
No.11	IN4	1	C-IN1	C-OUT1
No.12	IN4	1	C-IN2	C-OUT2
No.13	IN4	1	C-IN3	C-OUT3

36. Click “ZP Setting”.



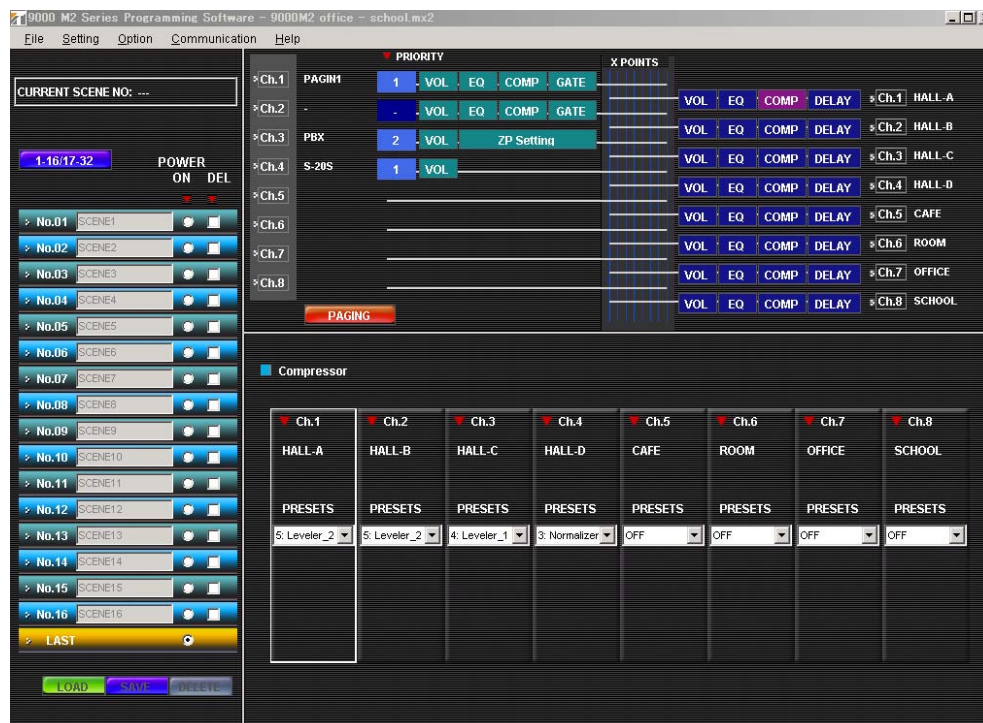
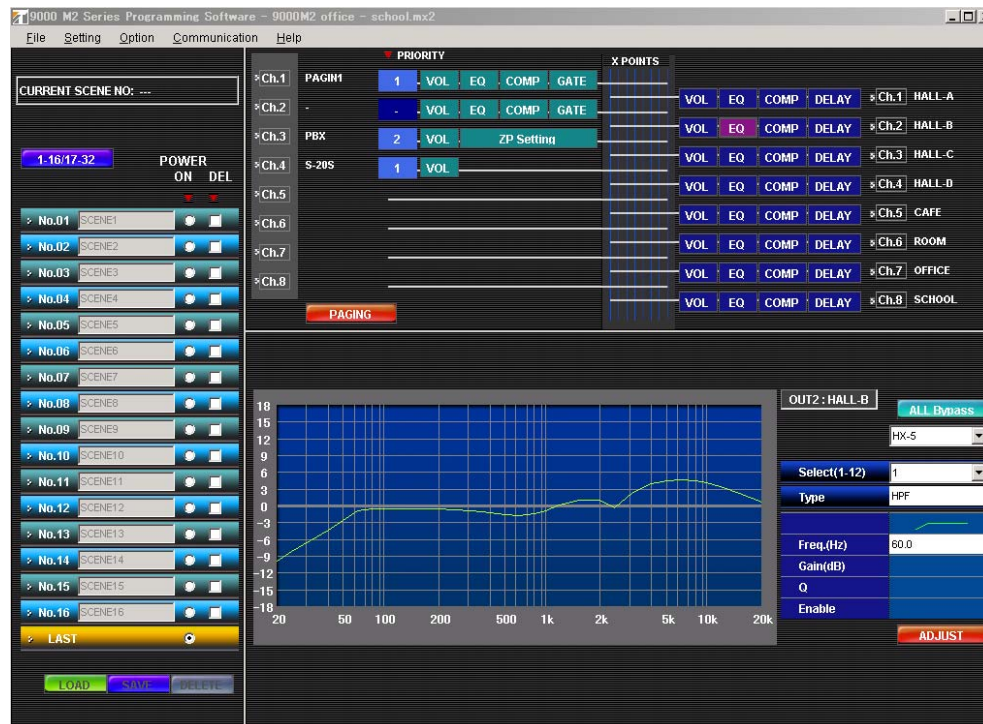
37. Select “MANUAL” and “RING SIGNAL” from “MODE”.

Select “10 min” from “CONNECT TIME”.



37. Freely adjust the volume, Compressor, Equalizer setting.

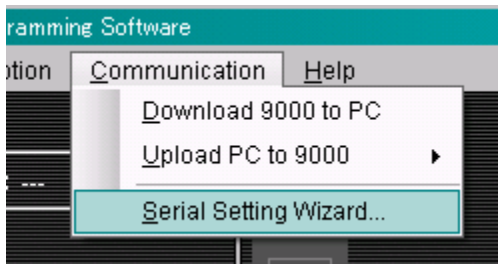
<Sample Setting Windows>



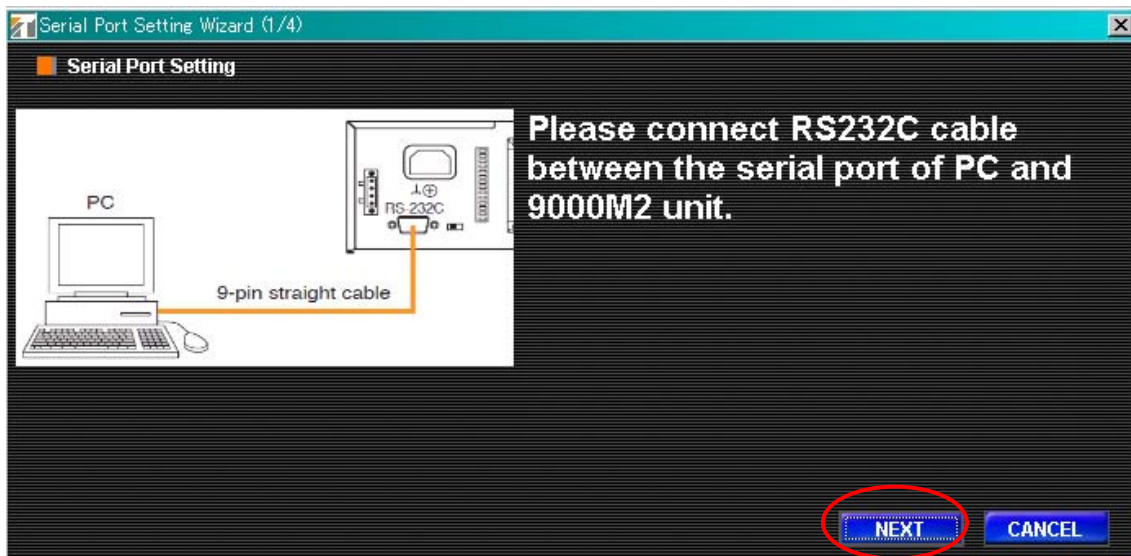
38. Save all the above settings as Scene 1.



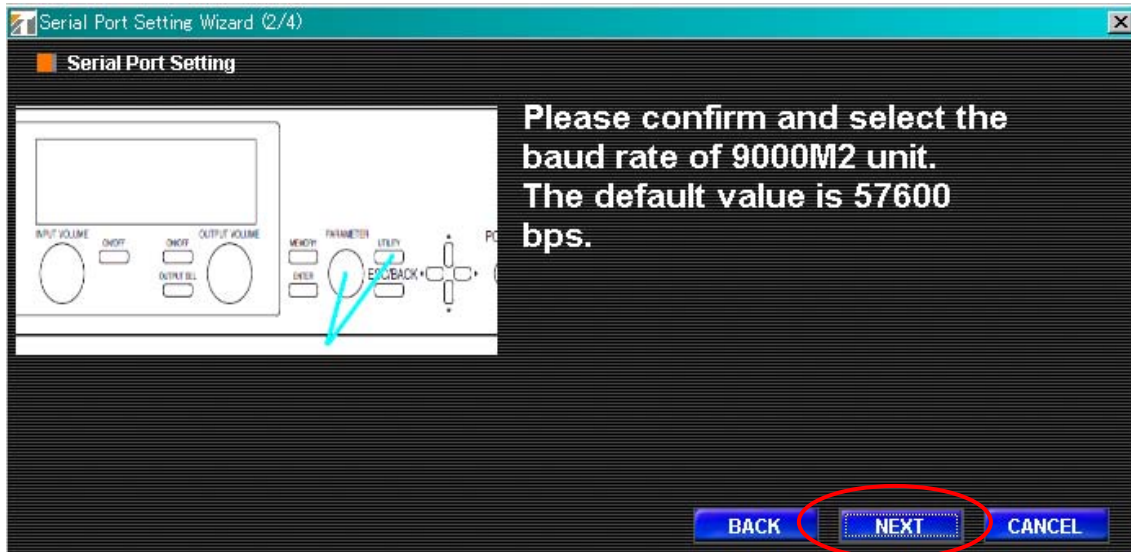
39. Click "Communication" on menu bar and select "Serial Setting Wizard".



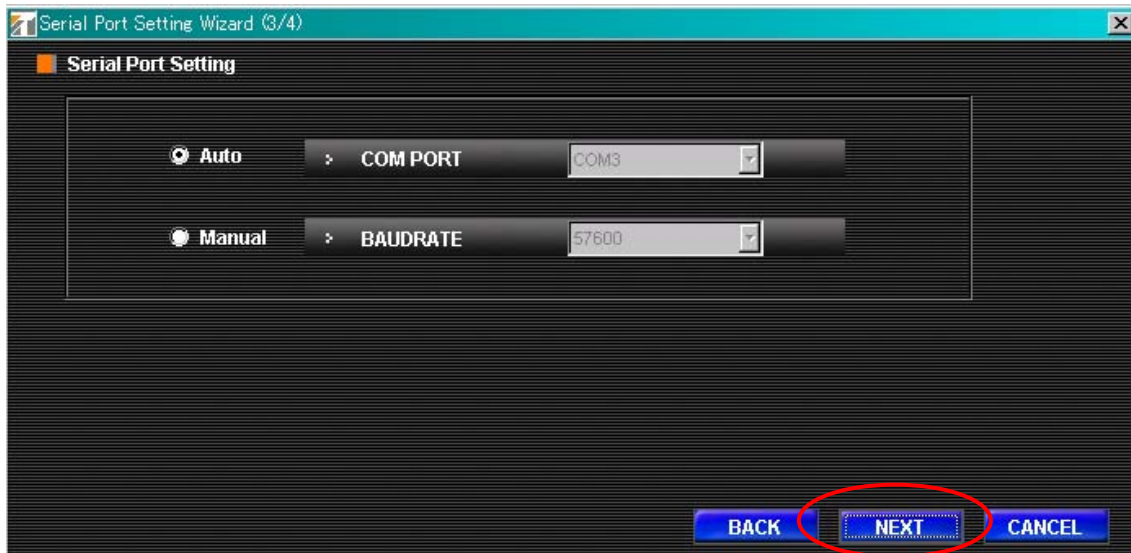
40. Check the connection between PC and 9000M2 unit. Click the "NEXT" button.



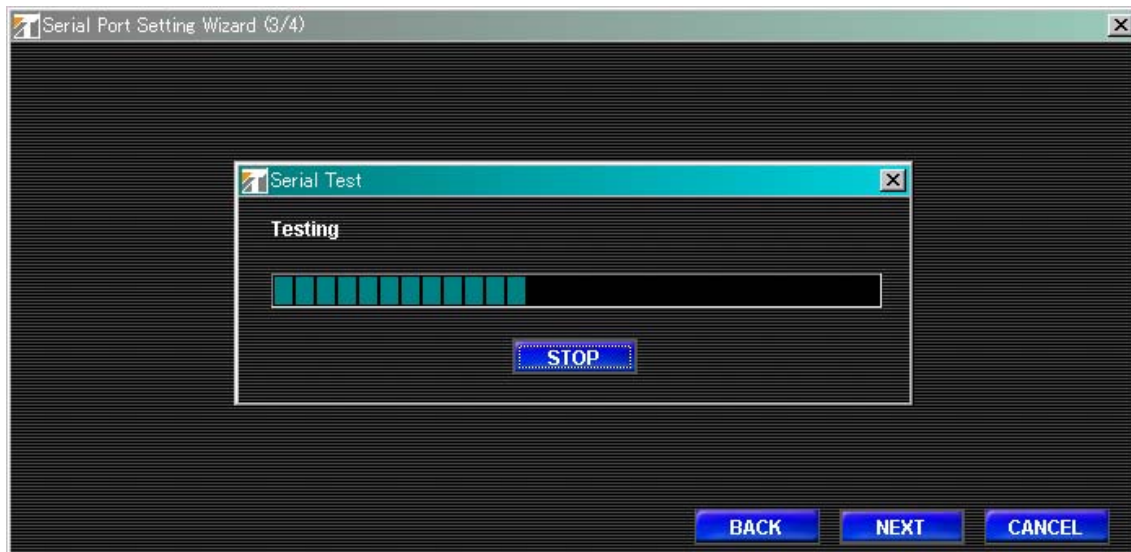
41. Confirm and select the baud rate of 9000M2 unit. Click the "NEXT" button.



42. Click the “NEXT” button.



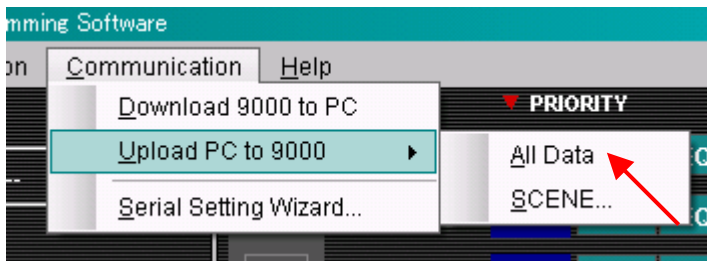
43. Show below is the last screen.



44. If the test is finished successfully, click “OK”.



45. Click “Communication” on the menu bar, select “Upload PC to 9000” and “All Data”.



46. A progress bar is displayed during communications.



*If communication is completed, the progress bar dialog is closed and downloading is completed.