

Recommended Audio Setup Layouts for Videoconferencing



1st Edition

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IPELA Division, B&P Business Group

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Microphone Type/Version Information

- **Microphone Type**











- PCS-A1: (Sony)
 - Omni directional microphone
- PCSA-A3: (Sony)
 - Uni-directional microphone
- PCSA-A7: (Sony) * PCSA-A7P4 is a set of four PCSA-A7s.
 - Uni-directional microphone with echo canceller.
- PCS-C1: (Sony)
 - Uni-directional microphone (PCS-1 built-in microphone)
- CTE-600: (Sony) * Currently not available.
 - Automatic voice direction selection microphone with echo canceller and omni speaker unit
- AccuMIC: (ClearOne)
 - Automatic voice direction selection microphone with echo canceller
- RAV600/900: (ClearOne)
 - Audio conferencing system

- **Version Information**

- PCS-1
 - Version 3.31
- PCS-G50/G70
 - Version 2.4
- CTE-600
 - /2 version
- AccuMIC (ClearOne)
 - Rev 1.3
- RAV600/900 (ClearOne)
 - N/A

Icon List

- Icon List

Icon	Description	Type Name	Remarks
	Codec	PCS-1 or PCS-G50/G70	
	Speaker (TV etc.)	N/A	
	Projector	N/A	Noise source
	Microphone	PCS-A1	
	Microphone	PCSA-A3	
	Microphone	PCSA-A7	
	Microphone	CTE-600	
	Microphone	PCS-C1	PCS-1 built-in microphone
	Microphone	AccuMIC	(ClearOne)
	Microphone	RAV600/900	(ClearOne)

Audio Setup (1 of 5)

- **PCS-1**

- In case of using Internal Microphone

The screenshot shows the 'Audio Setup' dialog box with the following settings:

Page:	1/1
Input Select	MIC
MIC Select	Internal
CTE	Off
Echo Canceler	Internal
Lip Sync	On
Recording Mute	On

Buttons: Save, Cancel

- In case of using External Microphone

The screenshot shows the 'Audio Setup' dialog box with the following settings:

Page:	1/1
Input Select	MIC
MIC Select	External
CTE	Off
Echo Canceler	Internal
Lip Sync	On
Recording Mute	On

Buttons: Save, Cancel

Audio Setup (2 of 5)

- **PCS-1 (continued)**

- In case of using External Echo Canceller (CTE-600 or ClearOne)

The screenshot shows the 'Audio Setup' window with the following settings:

Setting	Value
Input Select	M IC
MIC Select	Internal
CTE	AUX
Echo Canceler	In te r n a l
Lip Sync	On
Recording Mute	On

At the bottom of the window are 'Save' and 'Cancel' buttons.

- To enable the external echo canceller (including devices made by other manufacturers) , set “CTE” to “AUX” as shown in the figure.

Audio Setup (3 of 5)

- **PCS-G50/G70**

- In case of using Internal Echo Canceller

The screenshot shows the 'Audio Setup' window with the following settings:

Setting	Value
Input Select	MIC
Mic Select	MIC
CTE	Off
Echo Canceller	On
Lip Sync	Off
Recording Mute	On

- “Input Select” selects the sound to be input. “MIC”, “DSB MIC”, and “LINE” are selectable. Note that selecting “EC-MIC” forcibly turns off the echo canceller.

Audio Setup (4 of 5)

- **PCS-G50/G70 (continued)**
 - In case of using EC-MIC

The screenshot shows the 'Audio Setup' interface. At the top, it says 'Page: 1/2'. Below that, there's a microphone icon and a volume level bar. The settings are as follows:

Setting	Value
Input Select	MIC
Mic Select	EC-MIC
CTE	Off
Echo Cancellor	On
Lip Sync	Off
Recording Mute	On

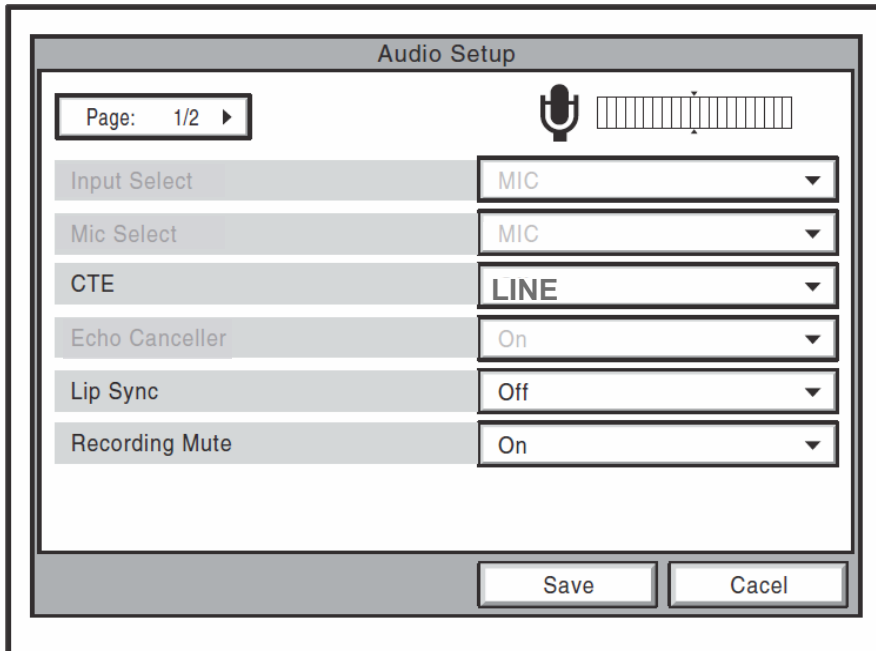
At the bottom, there are 'Save' and 'Cancel' buttons.

- With “EC-MIC” selected by “Mic Select”, “Echo Cancellor” will be disabled.

Audio Setup (5 of 5)

- **PCS-G50/G70 (continued)**

- In case of using External Echo Canceller (CTE-600 or ClearOne)



The screenshot shows the 'Audio Setup' window with the following settings:

Setting	Value
Page	1/2
Input Select	MIC
Mic Select	MIC
CTE	LINE
Echo Canceller	On
Lip Sync	Off
Recording Mute	On

Buttons: Save, Cancel

- To enable the external echo canceller (including devices made by other manufacturers) , set “CTE” to “LINE” as shown in the figure.

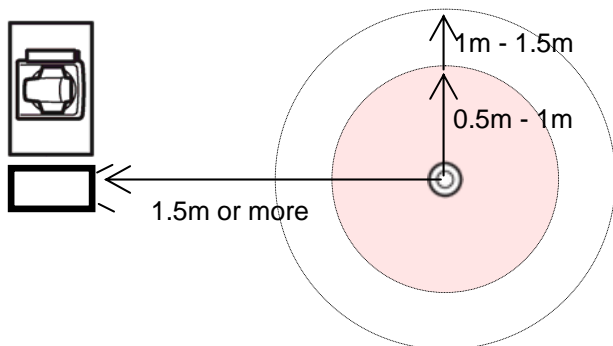
Basic Data (1 of 4)

• PCS-A1

Distance from TV speaker(s):

Recommended: 1.5m or more(5ft)

Acceptance : 0.5m to 1.5m (1.5ft to 5ft)



Coverage area:

Recommended: 0.5m to 1m
(1.5ft to 3.5ft)

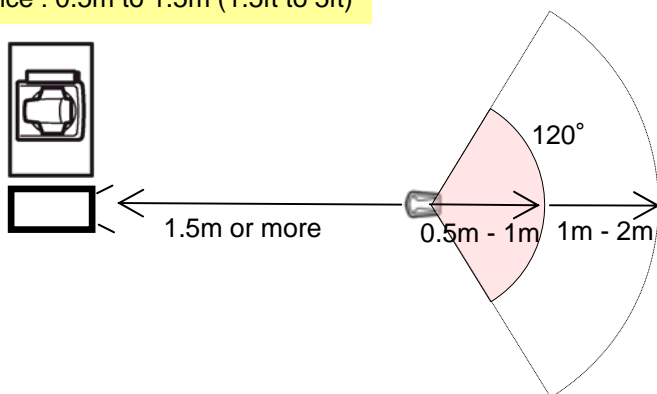
Acceptance: 1m to 1.5m
(3.5ft to 5ft)

• PCSA-A3

Distance from TV speaker(s):

Recommended: 1.5m or more (5ft)

Acceptance : 0.5m to 1.5m (1.5ft to 5ft)



Coverage area:

Recommended: 0.5m to 1m
(1.5ft to 3.5ft)

Acceptance: 1m to 2m
(3.5ft to 7ft)

Angle: within 120 degrees

Basic Data (2 of 4)

• PCSA-A7

Distance from TV speaker(s):

Recommended: 1.5m or more (5ft)

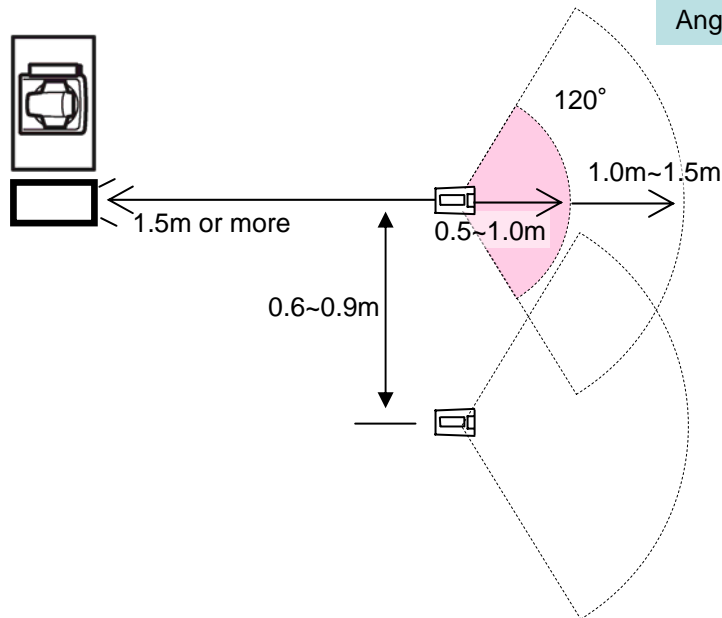
Acceptance : 0.5m to 1.5m (1.5ft to 5ft)

Coverage area:

Recommended: 0.5m to 1m
(1.5ft to 3.5ft)

Acceptance: 1m to 1.5m
(3.5ft to 5ft)

Angle: within 120 degrees

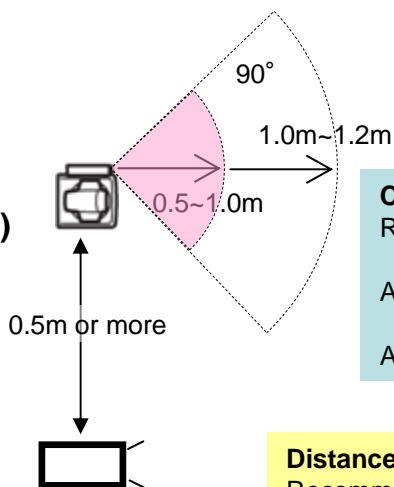


• PCS-C1(PCS-1 camera unit with built-in microphone)

Note:

When using the PCS-C1 camera placed on the codec, it is not recommended to use the built-in microphone. (It may be affected by the fan noise.)

If you have to use the built-in microphone, separate the camera from the codec using a camera stand or similar item.



Coverage area:

Recommended: 0.5m to 1m
(1.5ft to 3.5ft)

Acceptance: 1m to 1.2m
(3.5ft to 4ft)

Angle: within 90 degrees

Distance from TV speaker(s):

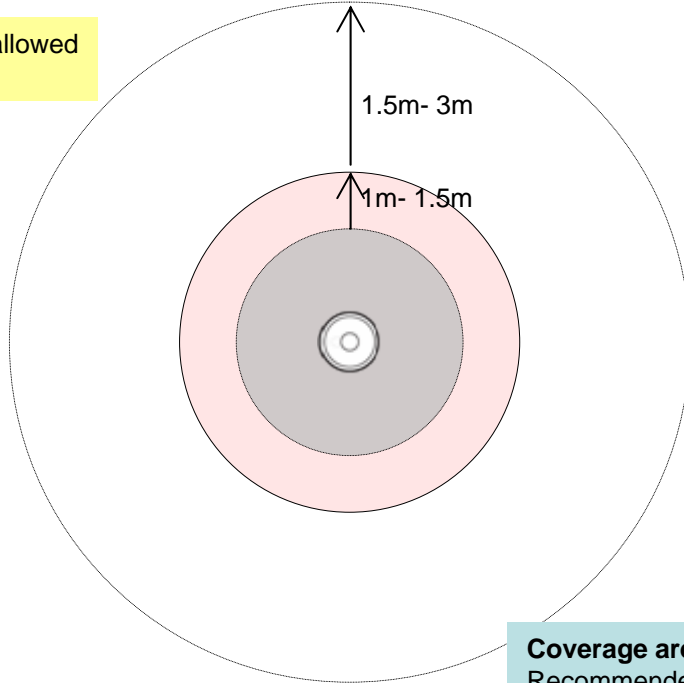
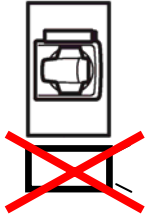
Recommended: 0.5m or more (1.5ft)

Acceptance : 0.5m (1.5ft)

Basic Data (3 of 4)

• CTE-600

* TV speakers are NOT allowed to be used.



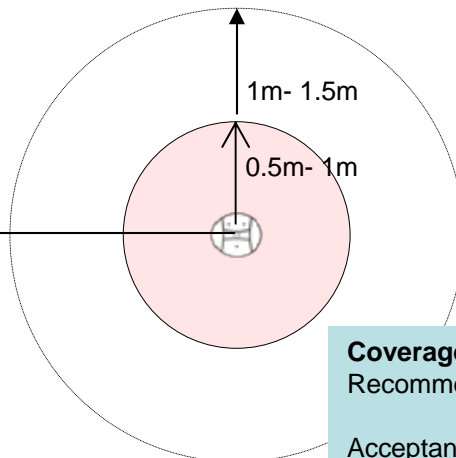
Coverage area:
Recommended: 1m to 1.5m
(3.5ft to 5ft)
Acceptance: 1.5m to 3m
(5ft to 10ft)

• AccuMIC (ClearOne)

Distance from TV speaker(s):
Recommended: 2.5m or more (8ft)
Acceptance : 2m (7ft)



2.5m or more

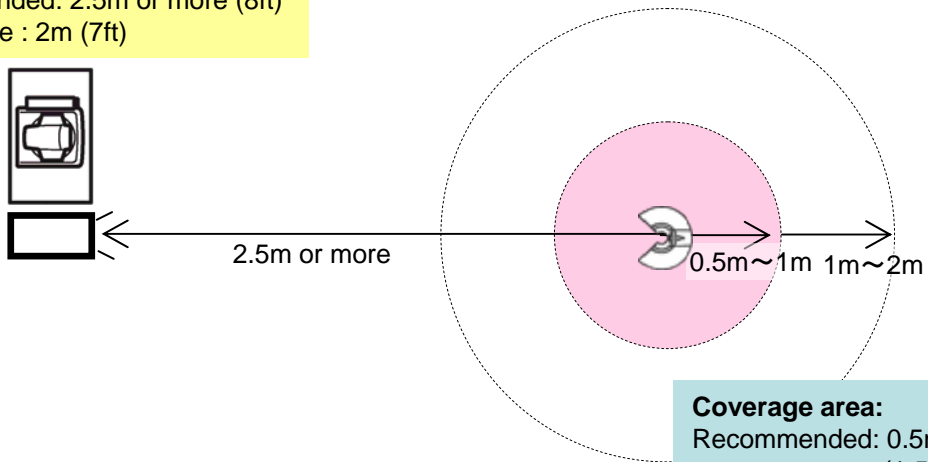


Coverage area:
Recommended: 0.5m to 1m
(1.5ft to 3.5ft)
Acceptance: 1m to 2m
(3.5ft to 7ft)

Basic Data (4 of 4)

- RAV600/900 (ClearOne)

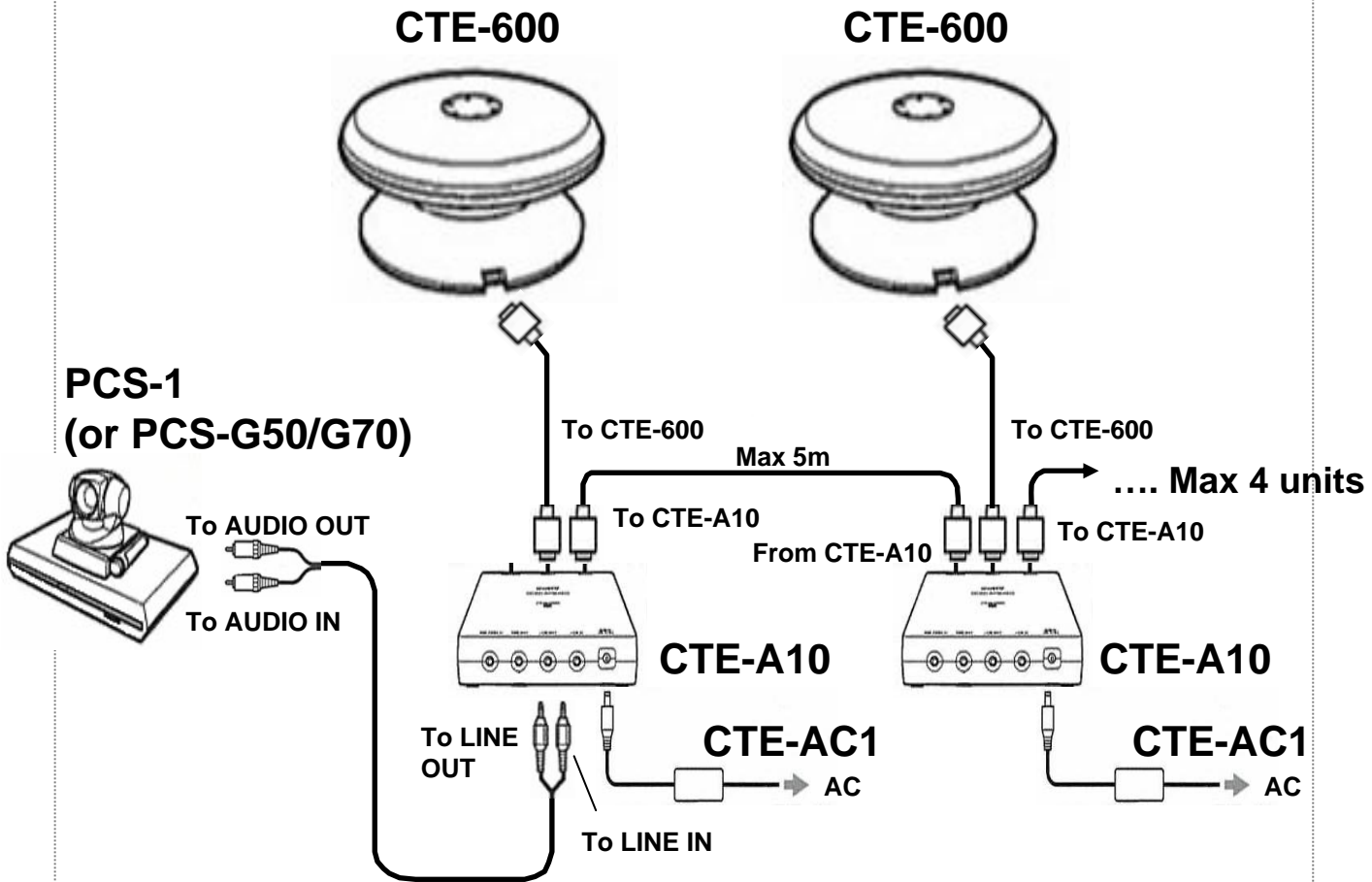
Distance from TV speaker(s):
Recommended: 2.5m or more (8ft)
Acceptance : 2m (7ft)



Coverage area:
Recommended: 0.5m to 1m
(1.5ft to 3.5ft)
Acceptance: 1m to 2m
(3.5ft to 7ft)

Connection Diagram (1 of 3)

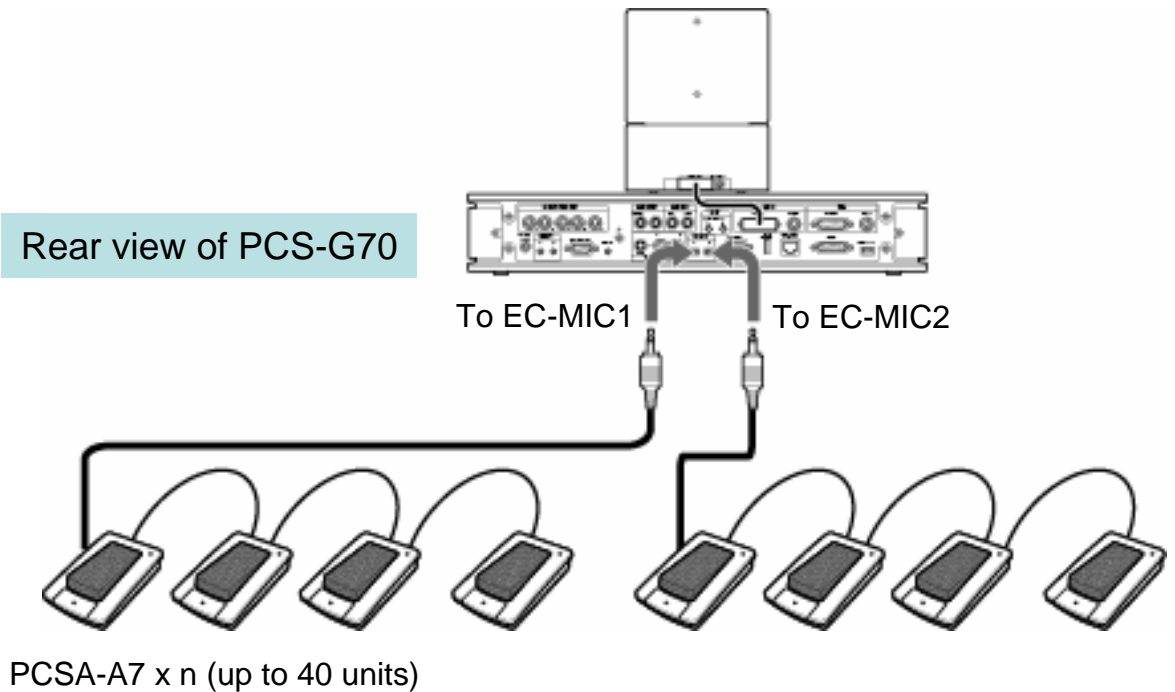
- PCS-1/G50/G70+CTE-600+CTE-A10



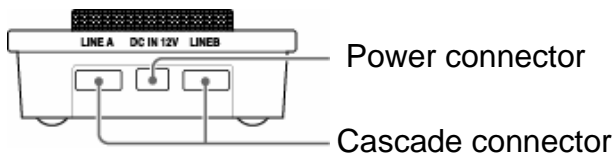
Connection Diagram (2 of 3)

- **PCS-G50/G70 + PCSA-A7**

Rear view of PCS-G70



No additional AC adaptor is needed when up to four PCSA-A7s are used by connecting a codec and the first microphone with an 8-meter cable and connecting between microphones with an 1.5-meter cable each.



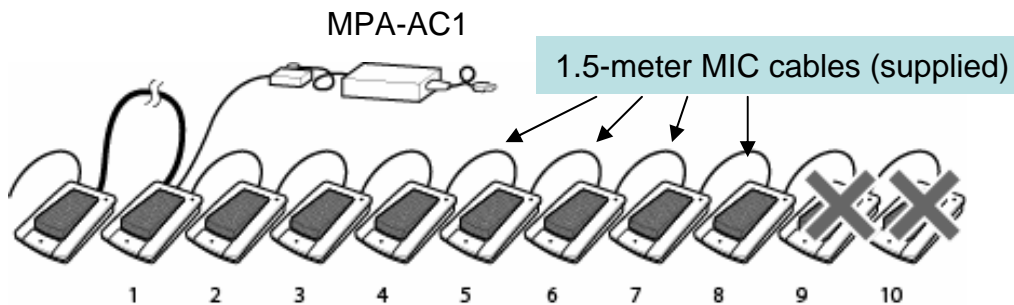
Rear view of PCSA-A7

Basic Data (3 of 3)

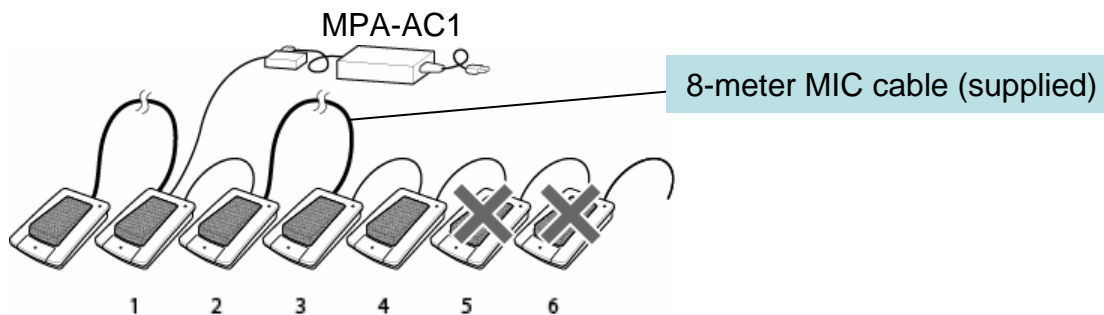
- **PCS-G50/G70 + PCSA-A7 (continued)**

When five or more microphones are used, an additional AC adaptor (MPA-AC1) or more are also needed.

The power can be supplied to up to 8 microphones per a AC adaptor when the 1.5 meter cable is used to connect between microphones.



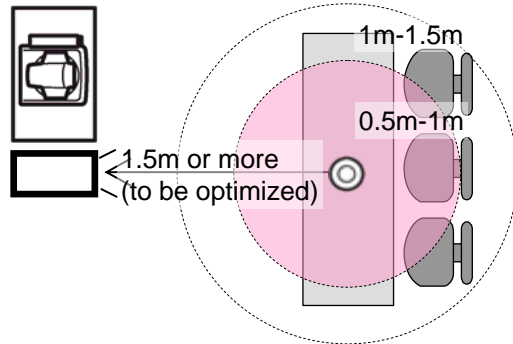
You can also use an 8-meter cable as well to connect between microphones. But note that using the single 8-meter cable will reduce the connectable number of microphones by 4 per a AC adaptor.



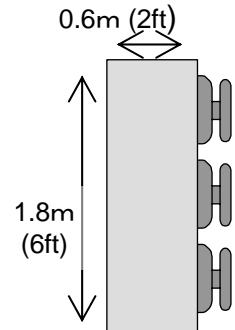
Basic Layout (1 of 18)

- Number of attendees : 1 to 3

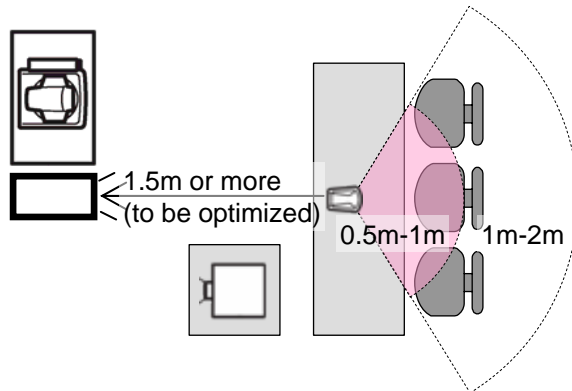
PCS-A1



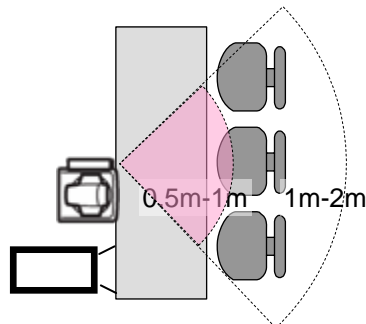
Reference desk size
(common to all pages)



PCSA-A3



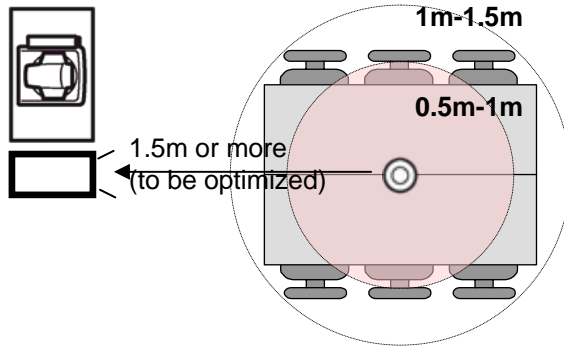
PCS-C1 (PCS-1 camera unit with built-in microphone)



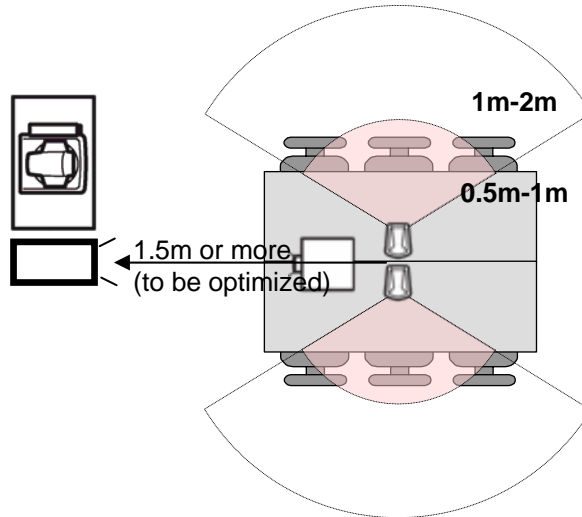
Basic Layout (2 of 18)

- Number of attendees : 4 to 6

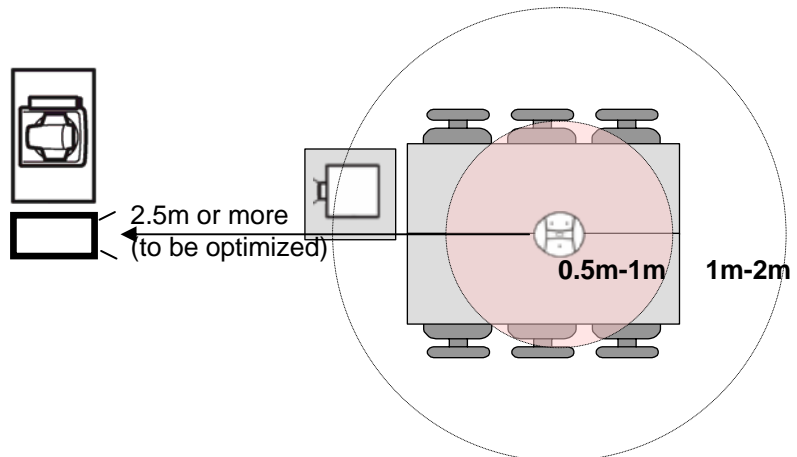
PCS-A1



PCSA-A3 x2



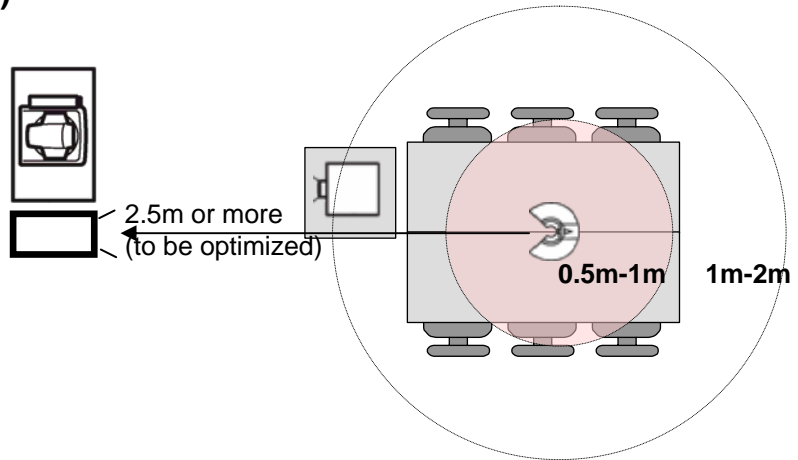
AccuMIC (ClearOne)



Basic Layout (3 of 18)

- **Number of attendees : 4 to 6 (continued)**

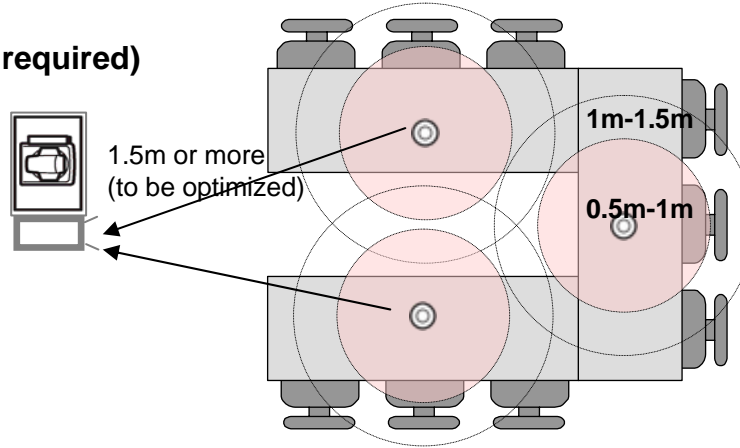
RAV600/900 (ClearOne)



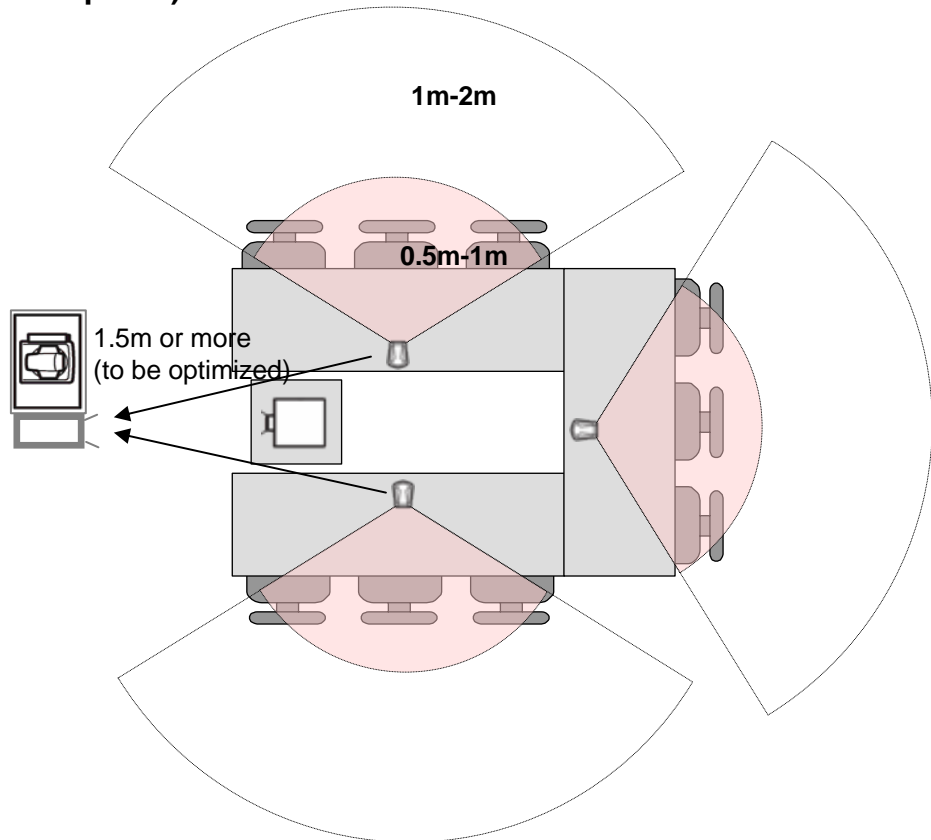
Basic Layout (4 of 18)

- **Number of attendees : 7 to 9**

PCS-A1 x3
(PCSA-DSB1/1S is required)



PCSA-A3 x3
(PCSA-DSB1/1S is required)

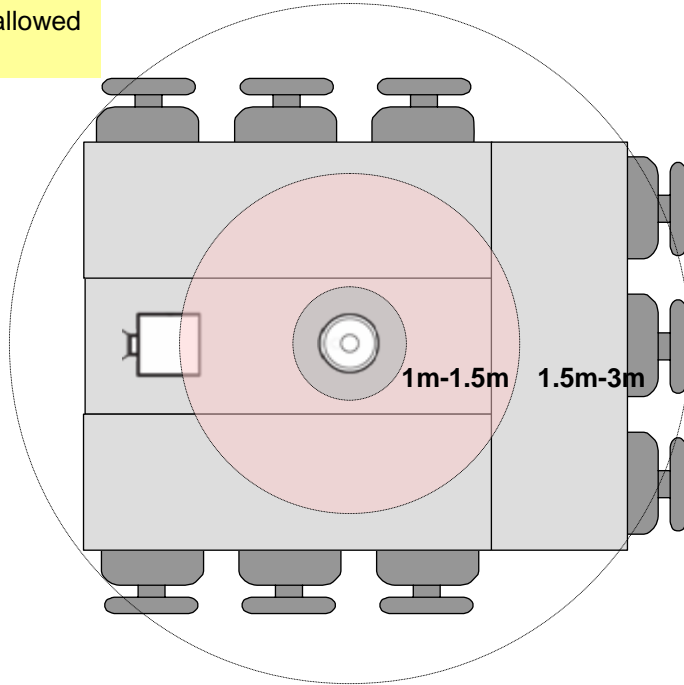
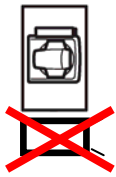


Basic Layout (5 of 18)

- Number of attendees : 7 to 9 (continued)

CTE-600

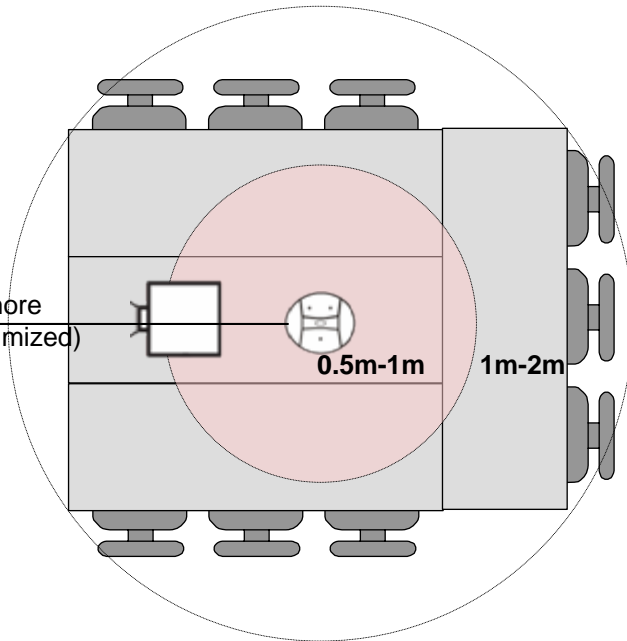
* TV speakers are NOT allowed to be used.



AccuMIC (ClearOne)



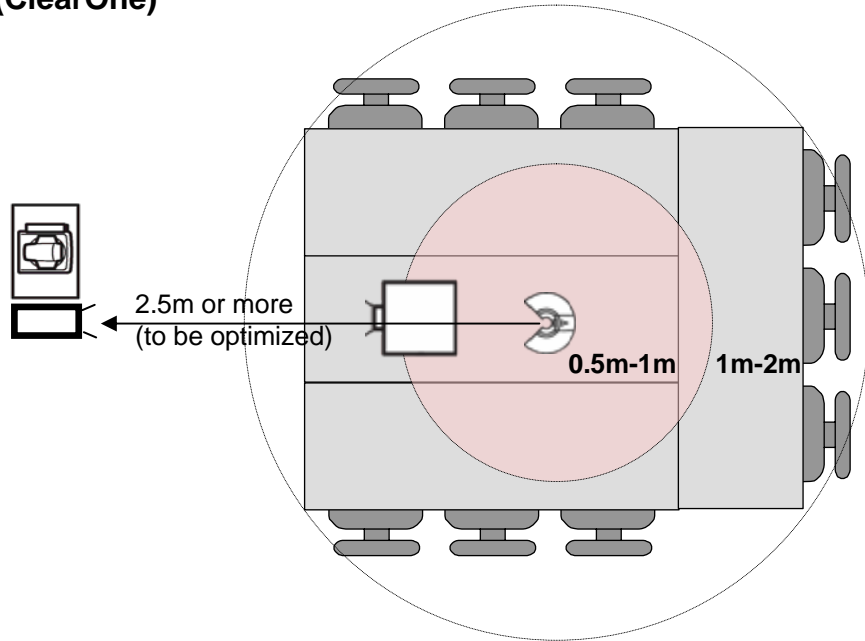
2.5m or more
(to be optimized)



Basic Layout (6 of 18)

- **Number of attendees : 7 to 9 (continued)**

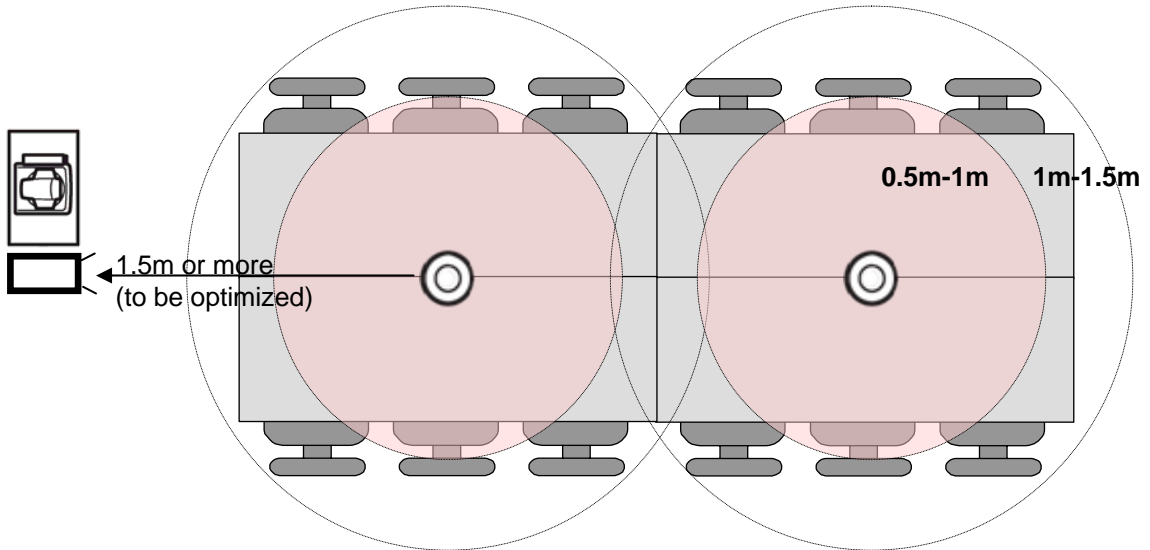
RAV600/900 (ClearOne)



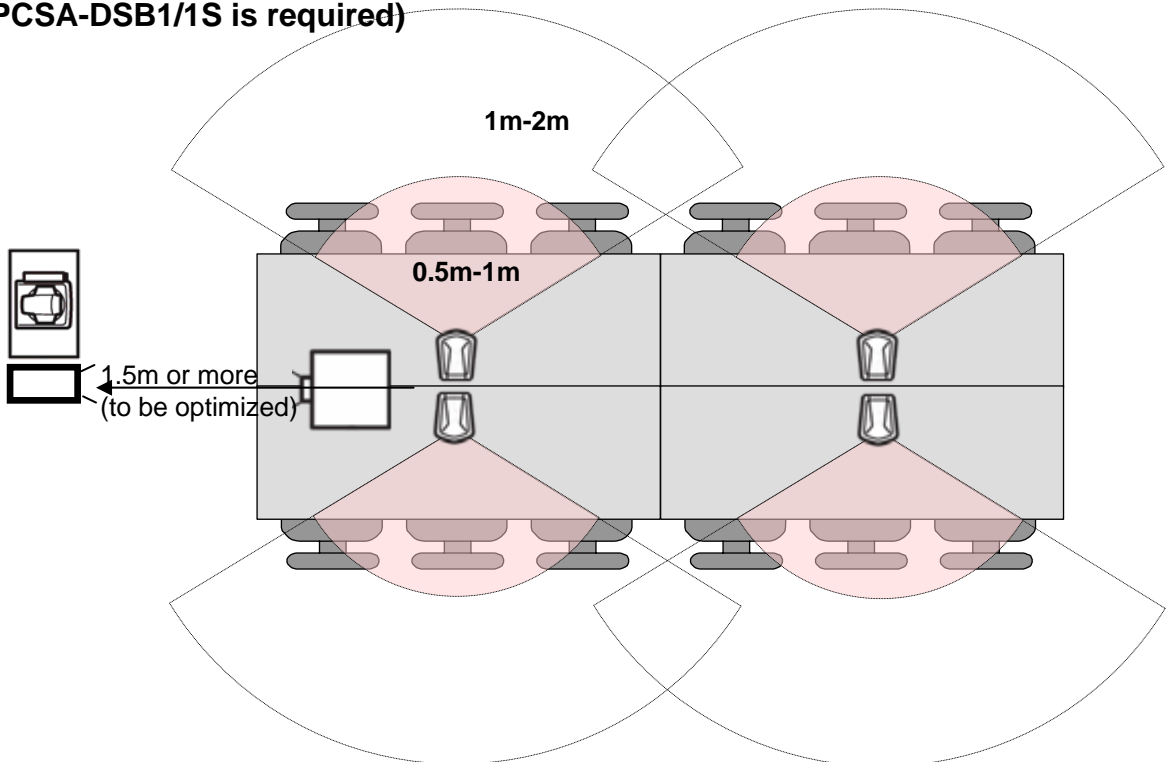
Basic Layout (7 of 18)

- Number of attendees : 10 to 14

PCS-A1 x2



PCSA-A3 x4
(PCSA-DSB1/1S is required)

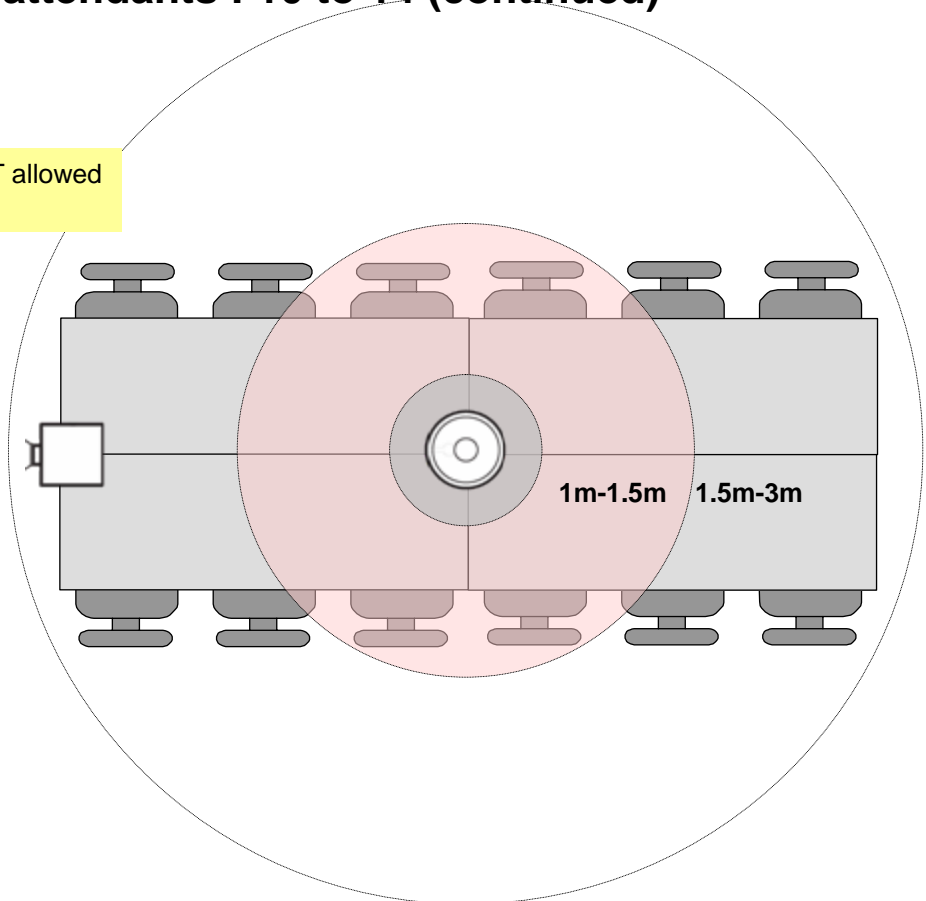
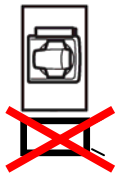


Basic Layout (8 of 18)

- Number of attendants : 10 to 14 (continued)

CTE-600

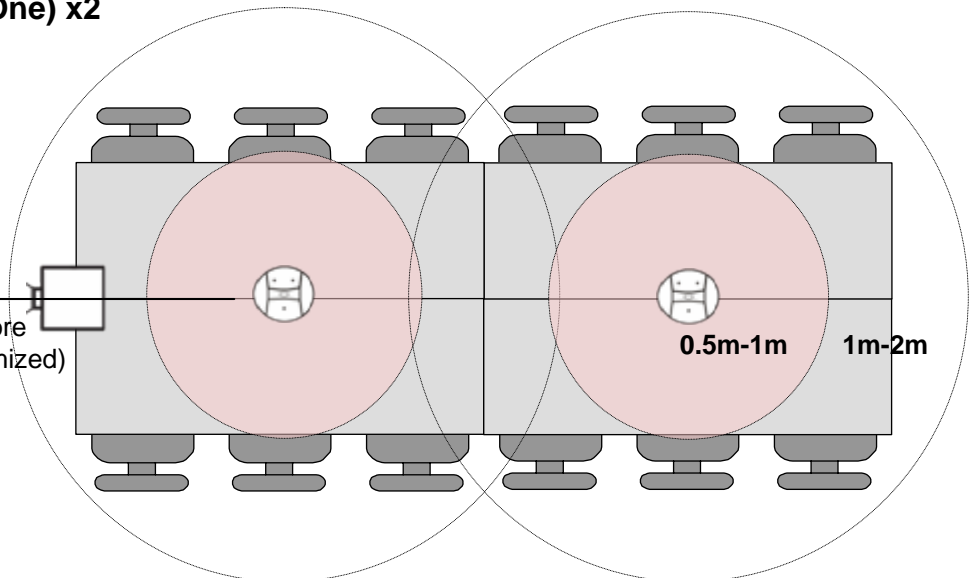
* TV speakers are NOT allowed to be used.



AccuMIC (ClearOne) x2



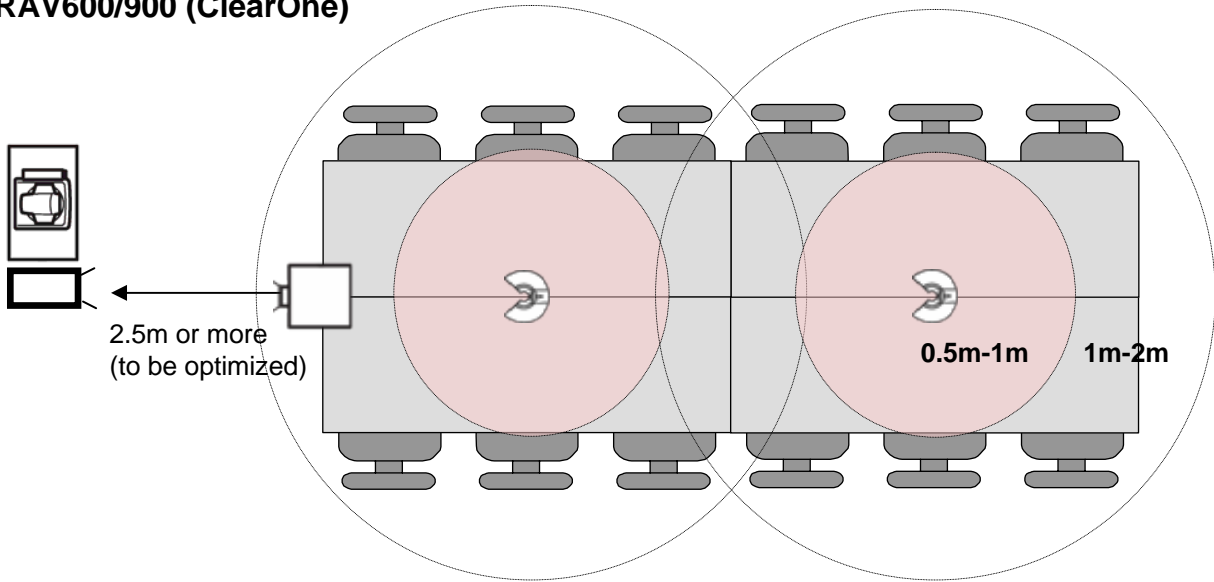
2.5m or more
(to be optimized)



Basic Layout (9 of 18)

- **Number of attendees : 10 to 14 (continued)**

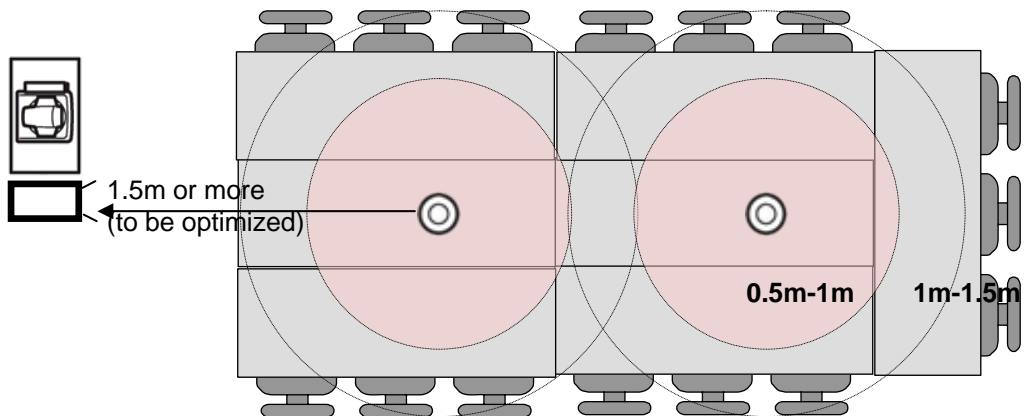
RAV600/900 (ClearOne)



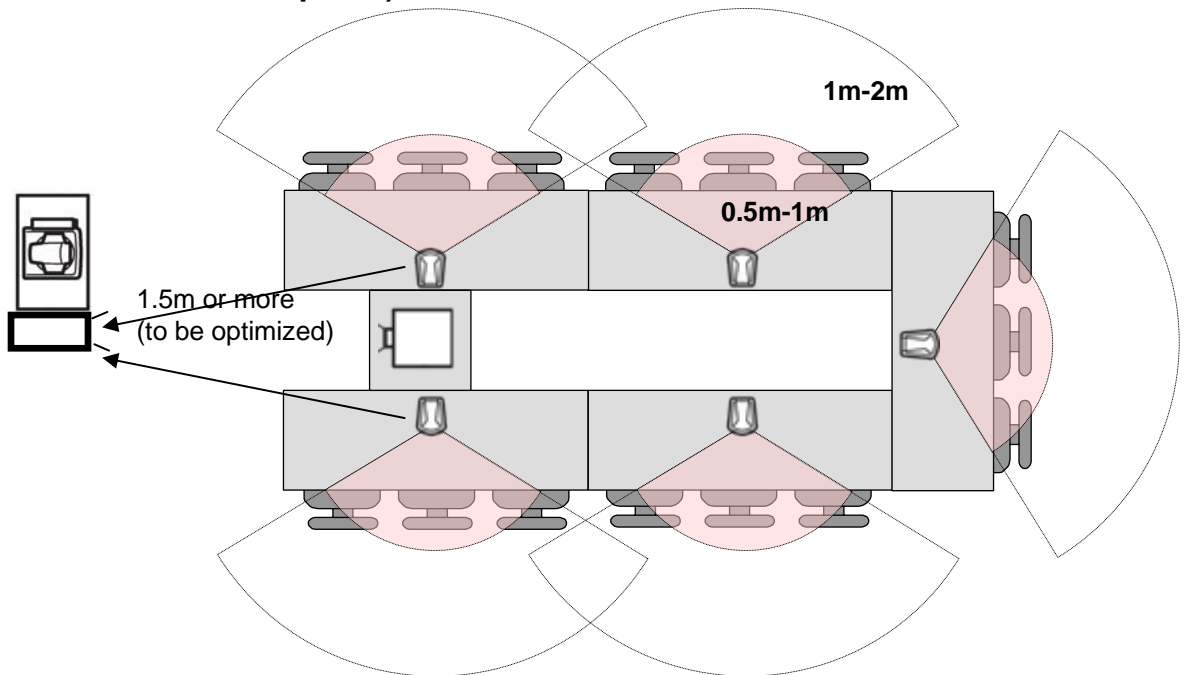
Basic Layout (10 of 18)

- Number of attendees : 15 or more

PCS-A1 x 2



PCSA-A3 x5
(PCSA-DSB1/1S is required)

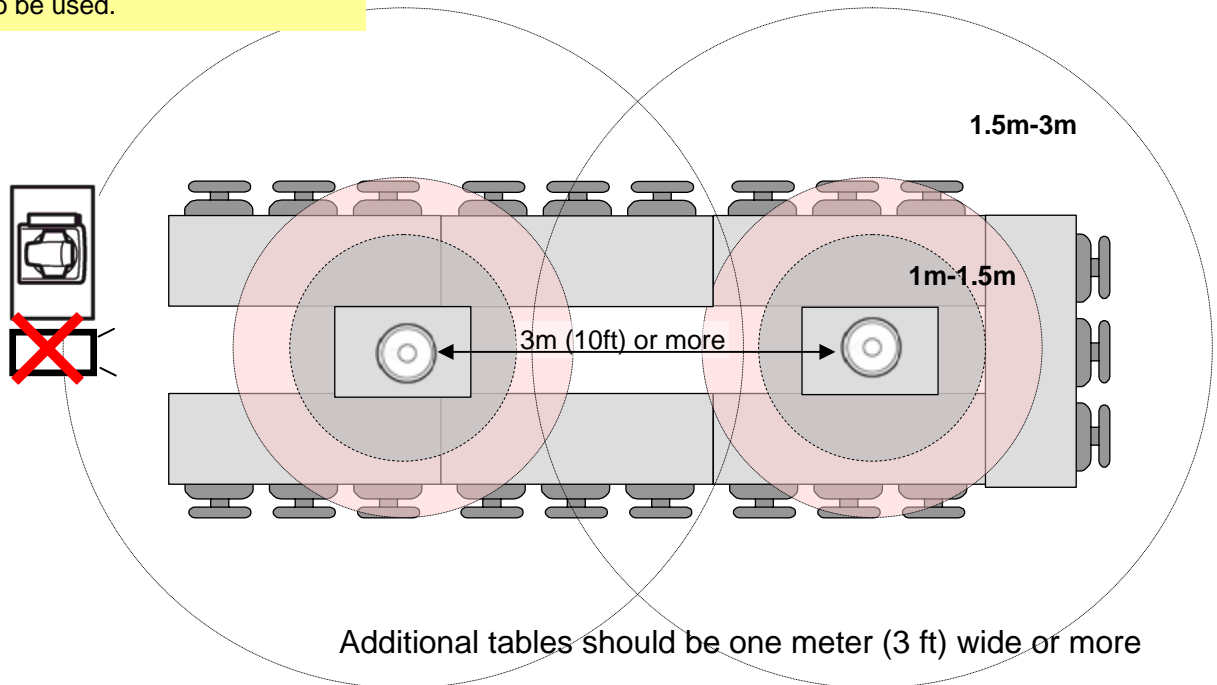


Basic Layout (11 of 18)

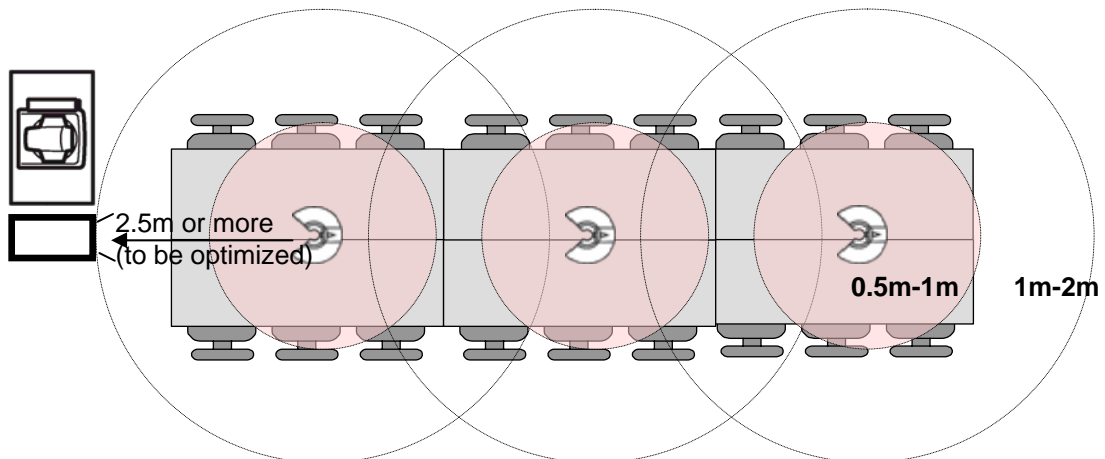
- **Number of attendants : 15 or more (continued)**

CTE-600 x 2 + CTE-A10 x2

* TV speakers are NOT allowed to be used.



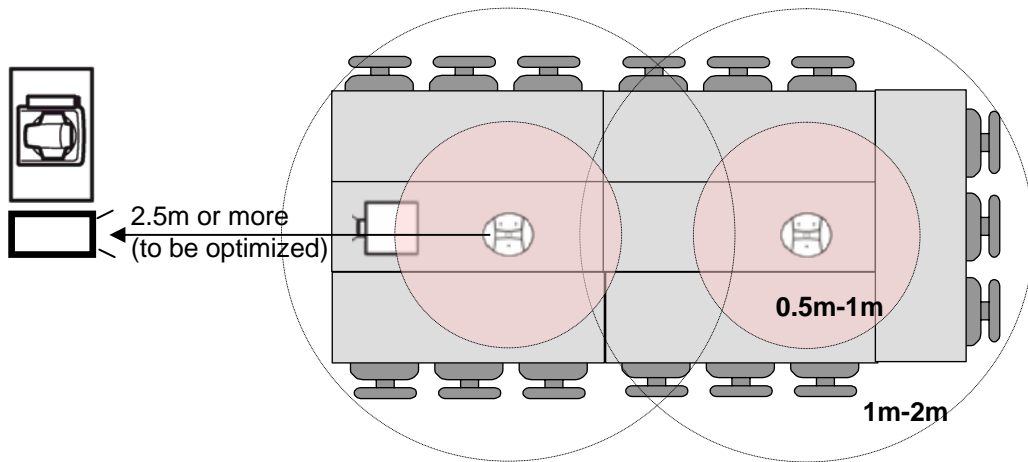
RAV600/900 (ClearOne)



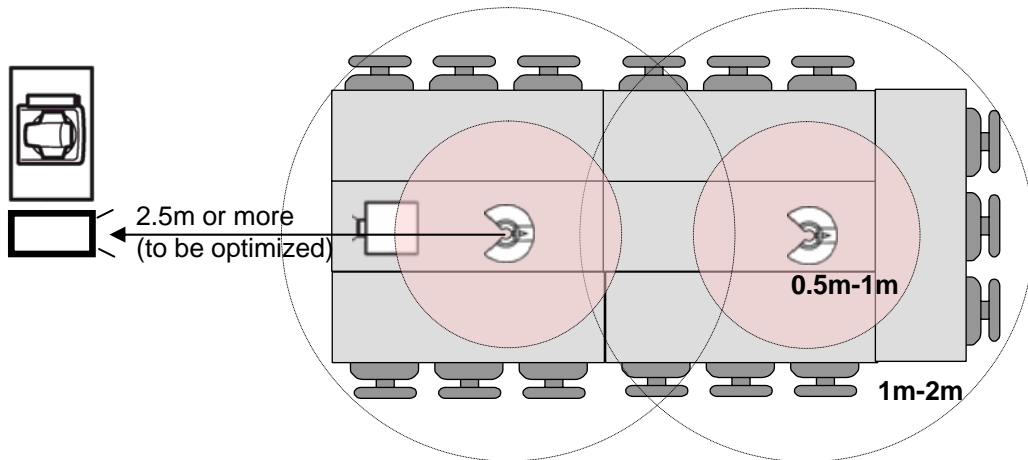
Basic Layout (12 of 18)

- **Number of attendees : 15 or more (continued)**

AccuMIC (ClearOne) x2



RAV600/900 (ClearOne)

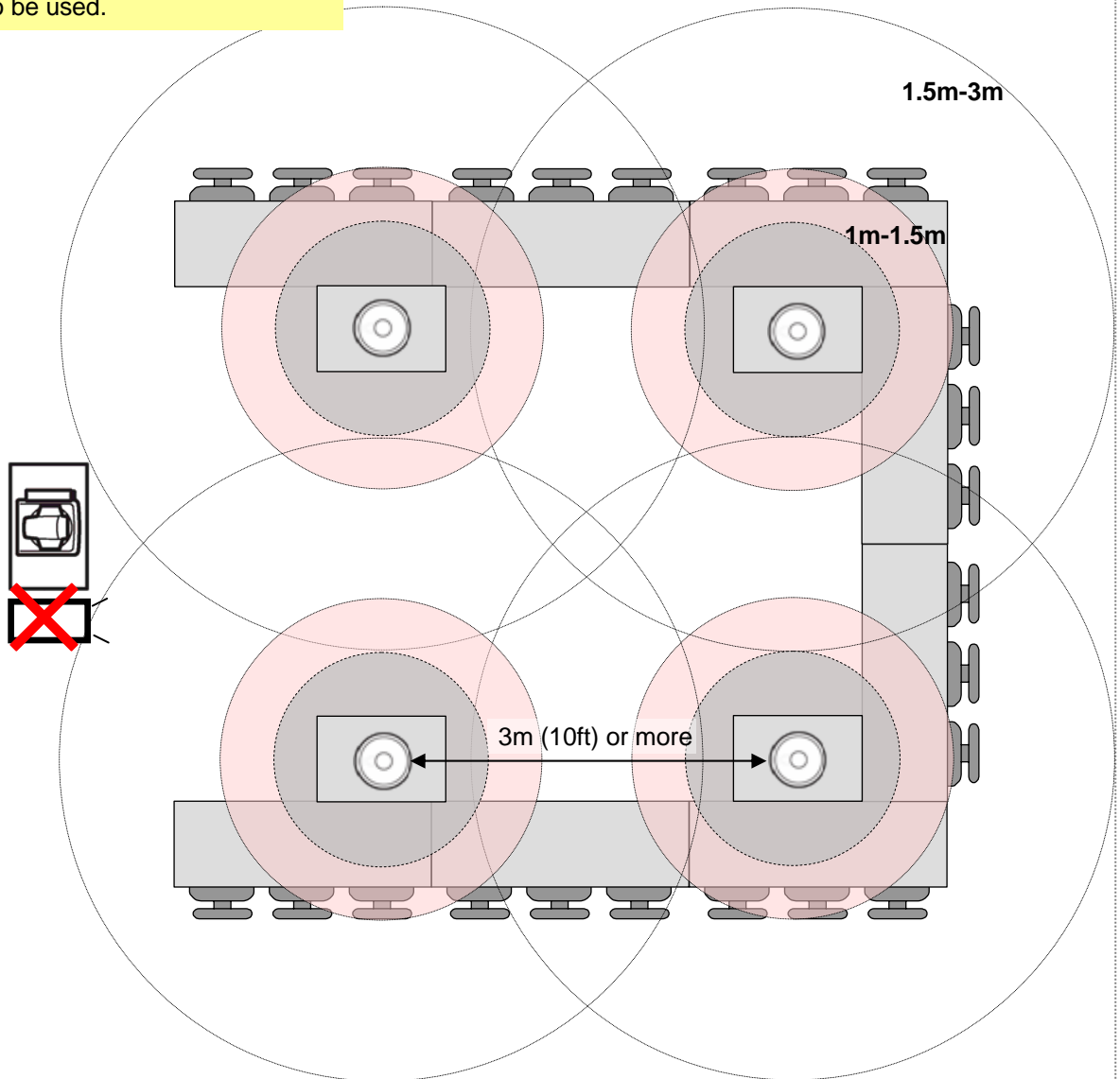


Basic Layout (13 of 18)

- **Number of attendees : 15 or more (continued)**

CTE-600 x 4 + CTE-A10 x4

* TV speakers are NOT allowed to be used.



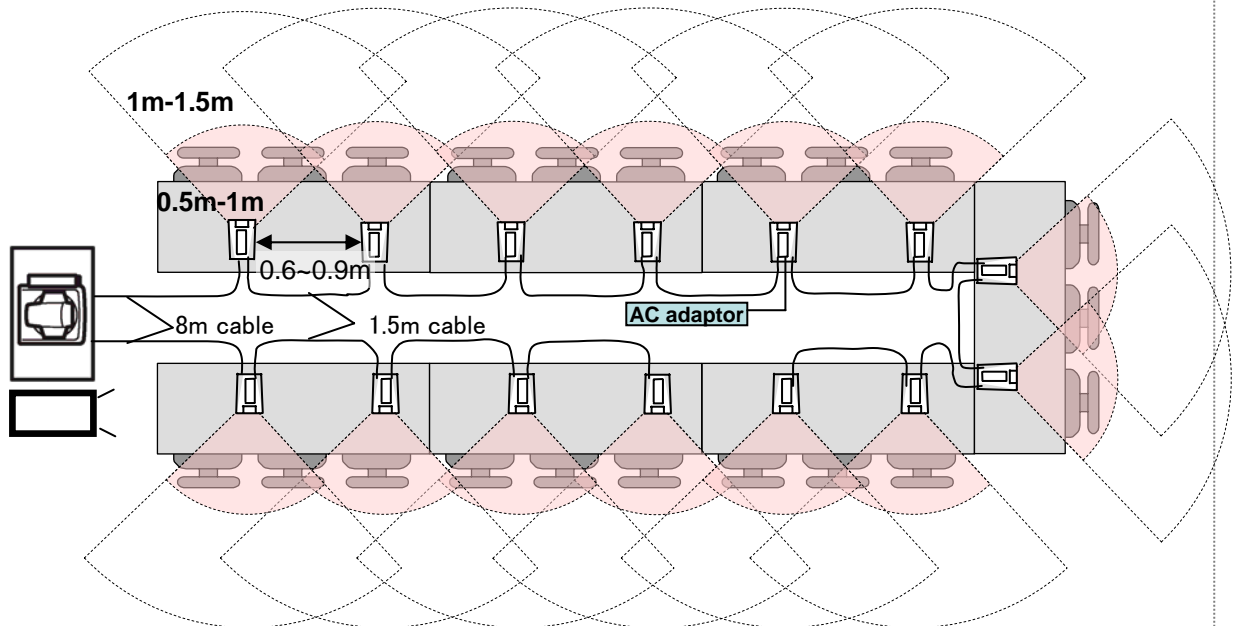
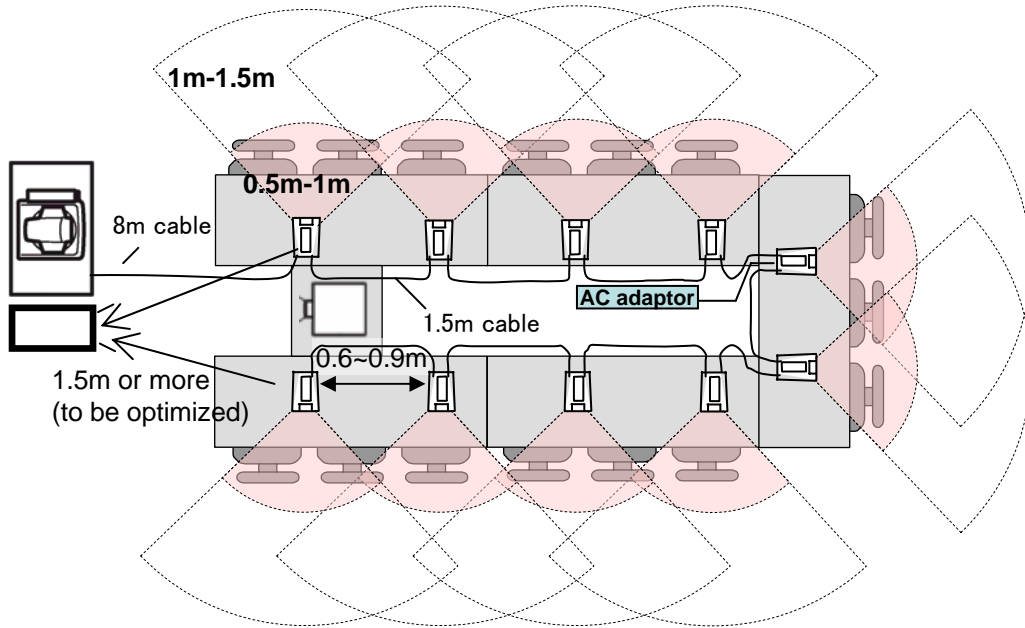
Additional tables should be one meter (3 ft) wide or more

Basic Layout (14 of 18)

- **Number of attendees : 15 or more (continued)**

PCSA-A7 x n

(To be used together with the PCS-G70/G50)

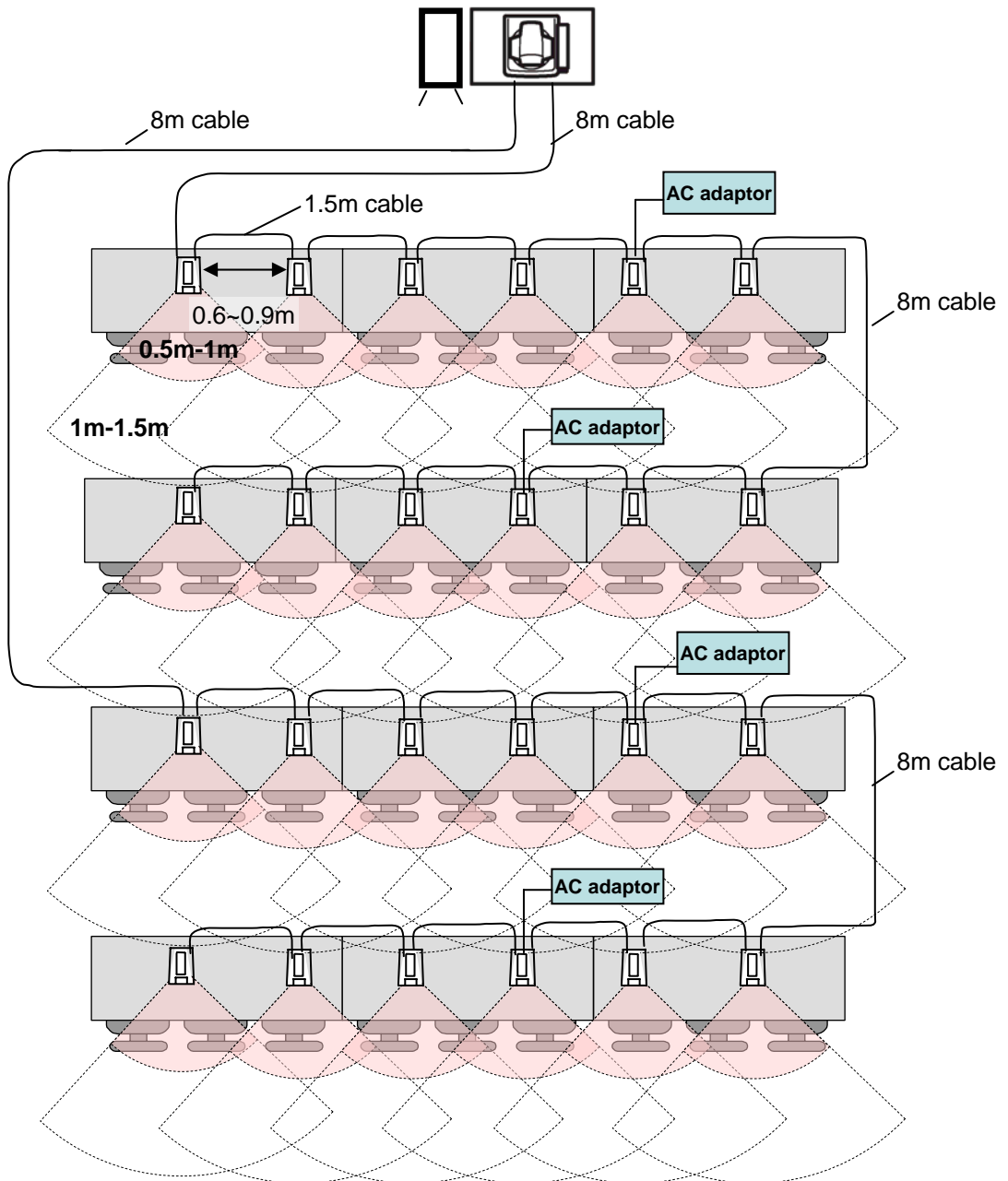


Basic Layout (15 of 18)

- **Number of attendees : 15 or more**
(with Classroom Style seating)

PCSA-A7 x n

(To be used together with the PCS-G70/G50)

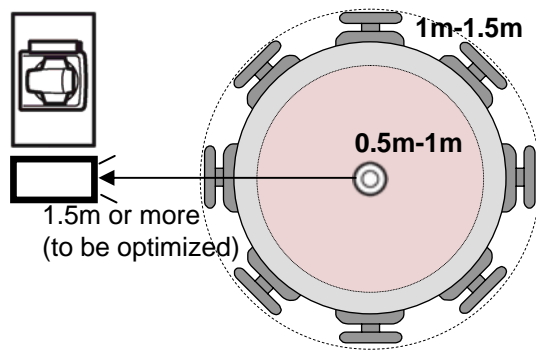


Basic Layout (16 of 18)

- **Round Table Style**

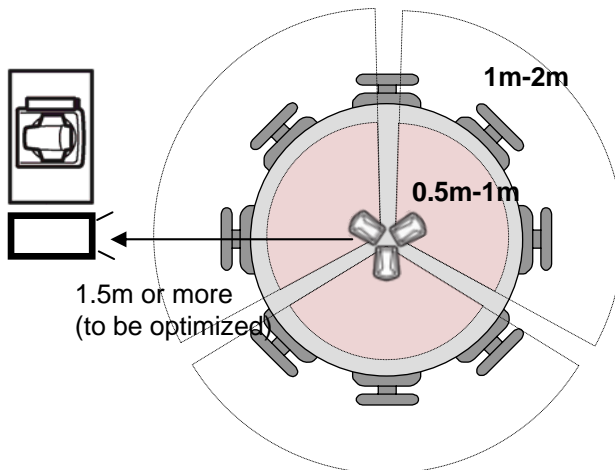
Note: Avoid moving objects between microphone(s) and loudspeakers, or the learning result of the echo canceller may be affected.

PCS-A1 x 1



Good for 4-8 attendees

PCSA-A3 x3
(PCSA-DSB1/1S is required)



Good for 6-10 attendees

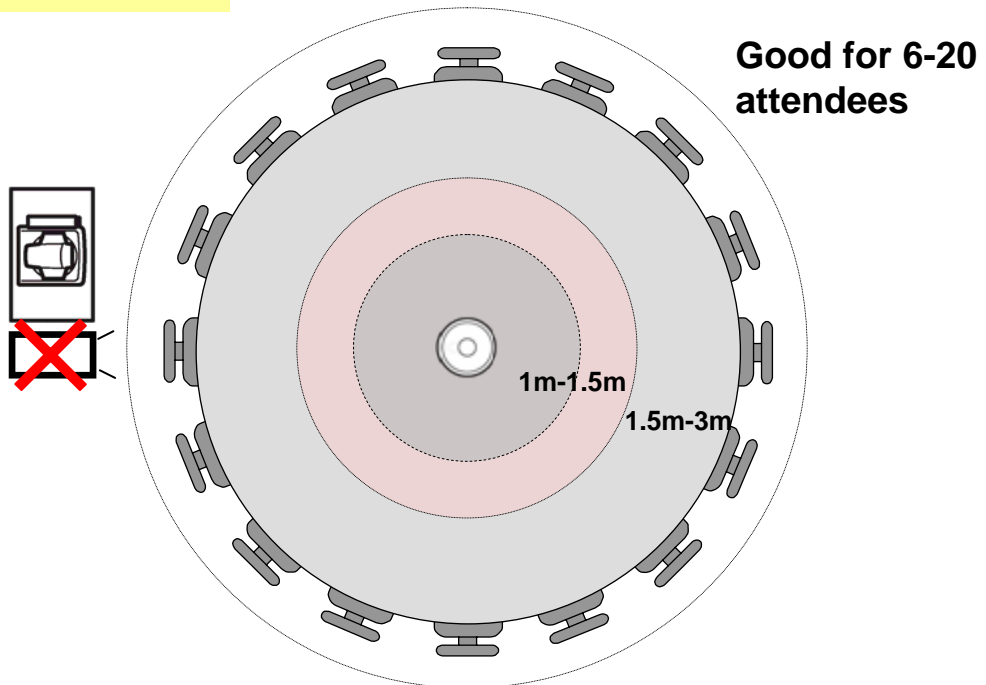
Basic Layout (17 of 18)

- **Round Table Style (continued)**

Note: Avoid moving objects between microphone(s) and loudspeakers, or the learning result of the echo canceller may be affected.

CTE-600

* TV speakers are NOT allowed to be used.



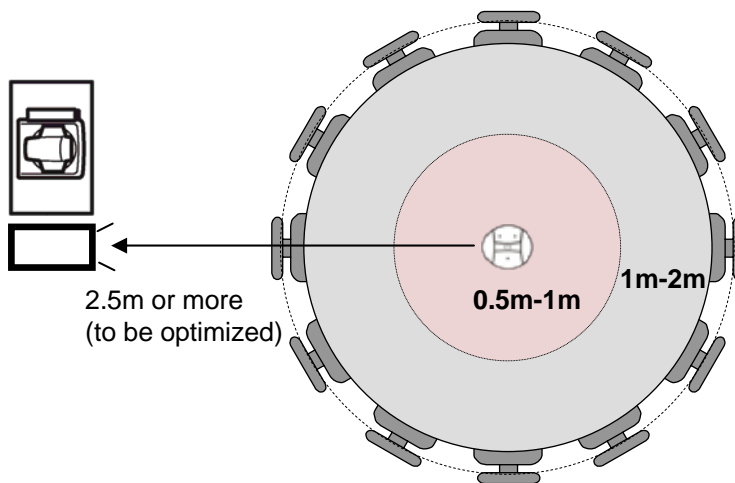
Basic Layout (18 of 18)

- **Round Table Style (continued)**

Note: Avoid moving objects between microphone(s) and loudspeakers, or the learning result of the echo canceller may be affected.

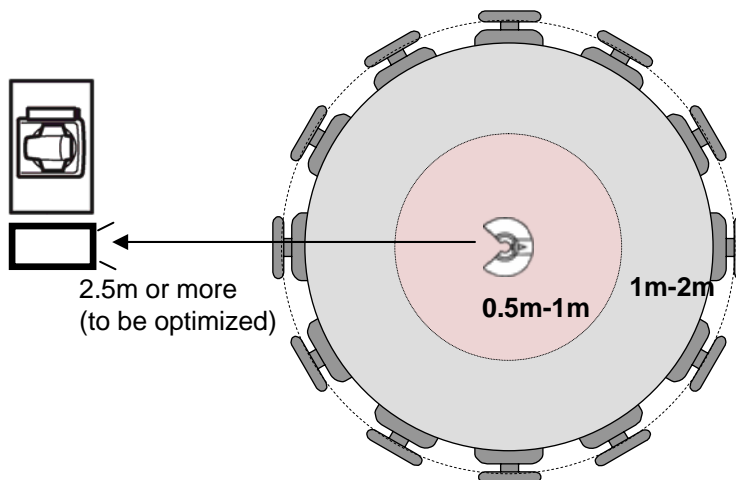
AccuMIC (ClearOne)

Good for 6-12 attendees



RAV600/900 (ClearOne)

Good for 6-12 attendees

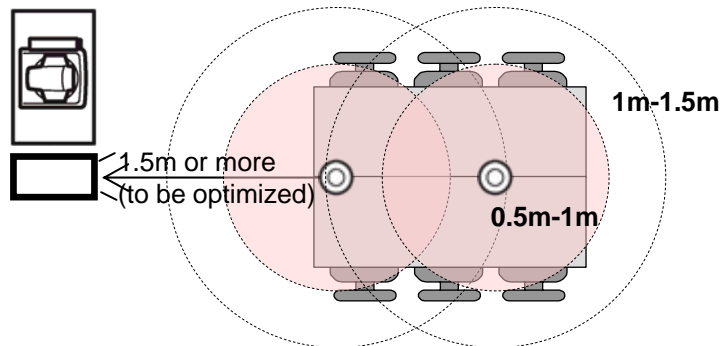


Advanced Layout (1 of 13)

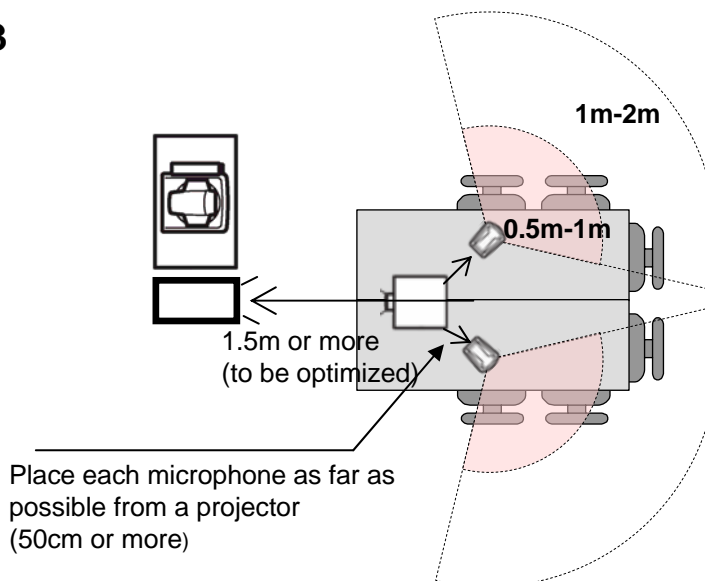
In videoconferencing, speakers tend to not speak to a microphone. As most of them speak to a monitor which is displaying a remote party, speaker's voice cannot be collected enough, even using the basic layouts. To prevent this, please also try advanced layouts to be hereinafter shown.

- Number of attendees: 4 to 6

PCS-A1



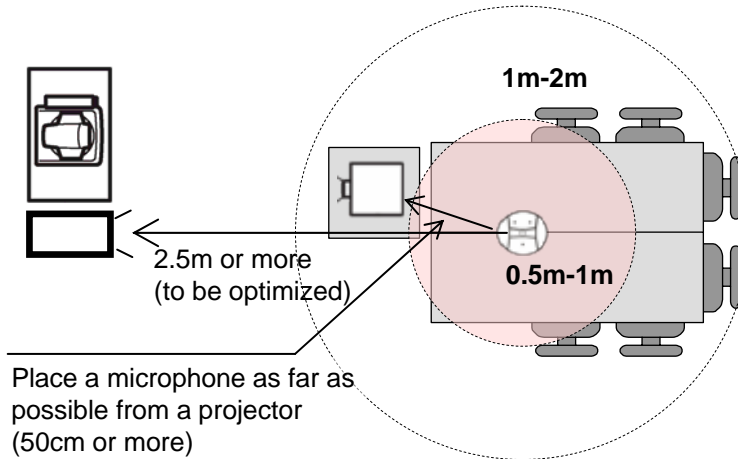
PCSA-A3



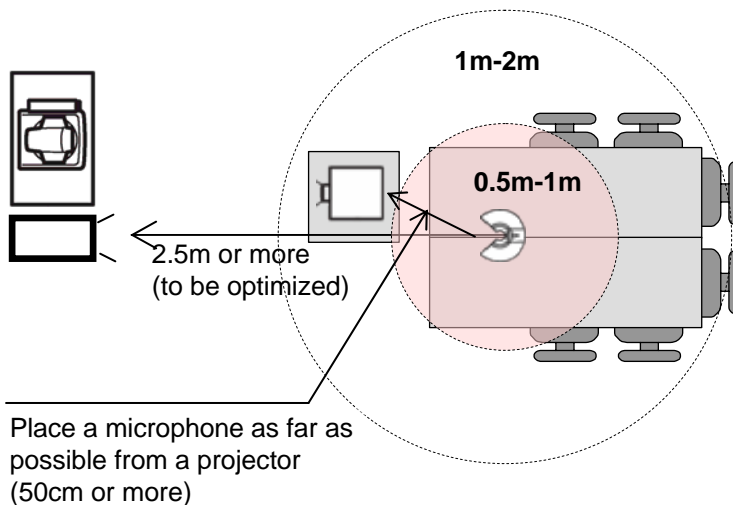
Advanced Layout (2 of 13)

- **Number of attendees: 4 to 6 (continued)**

AccuMIC (ClearOne)



RAV600/900 (ClearOne)

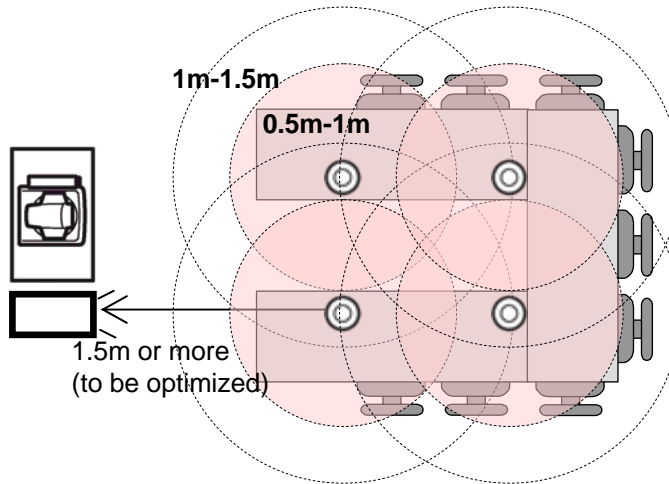


Advanced Layout (3 of 13)

- **Number of attendees: 7 to 9**

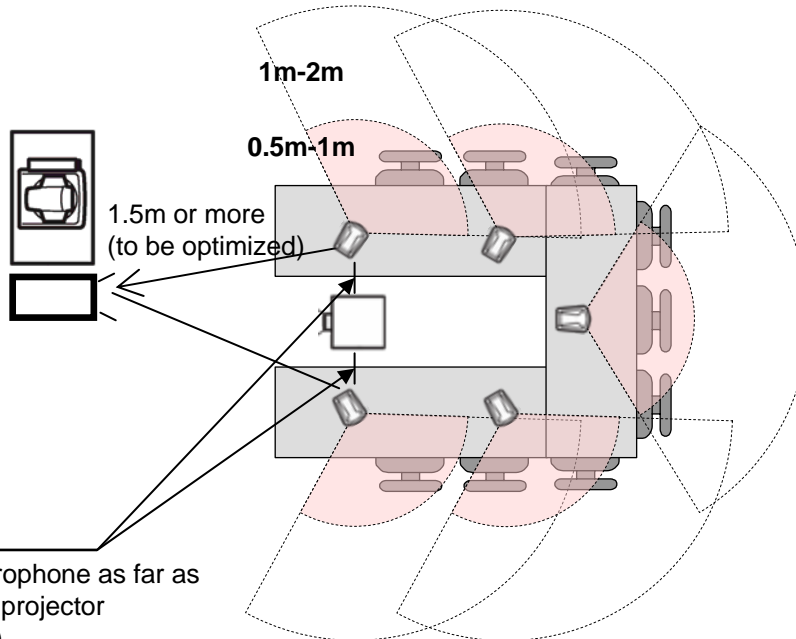
PCS-A1 x4

(PCSA-DSB1/1S is required)



PCSA-A3 x5

(PCS-DSB1/1S is required)

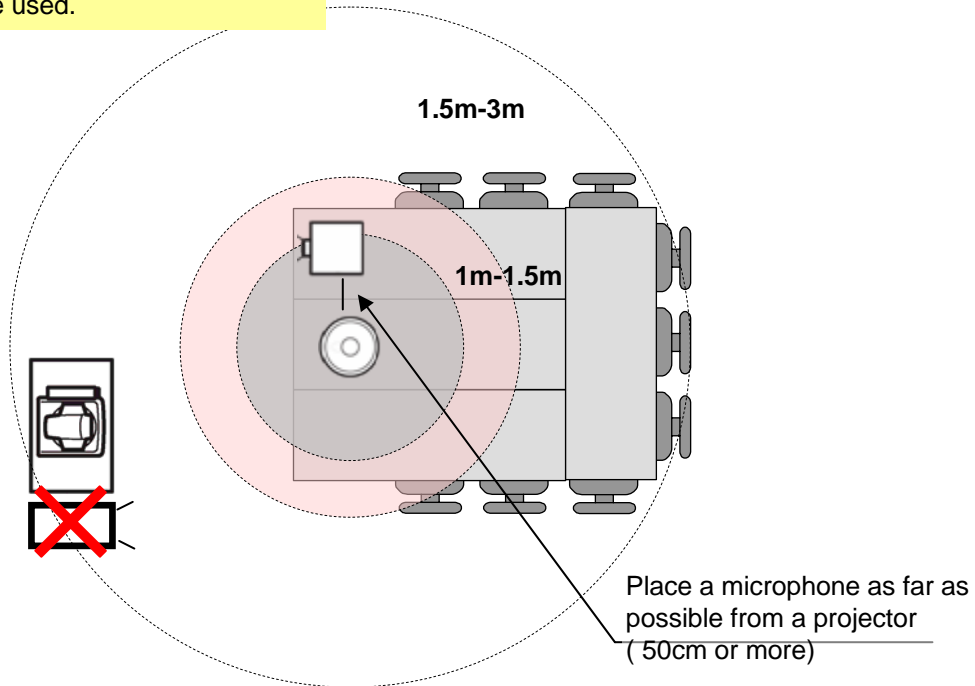


Advanced Layout (4 of 13)

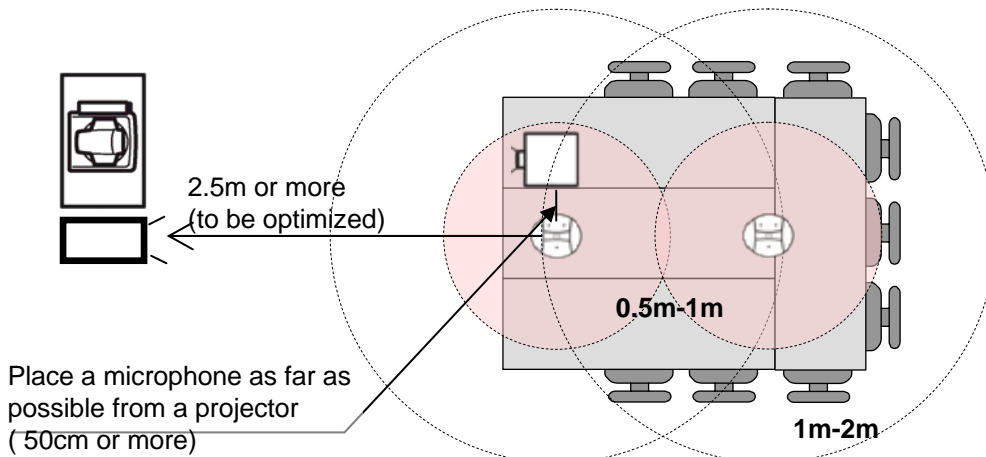
- **Number of attendees: 7 to 9 (continued)**

CTE-600

* TV speakers are NOT allowed to be used.



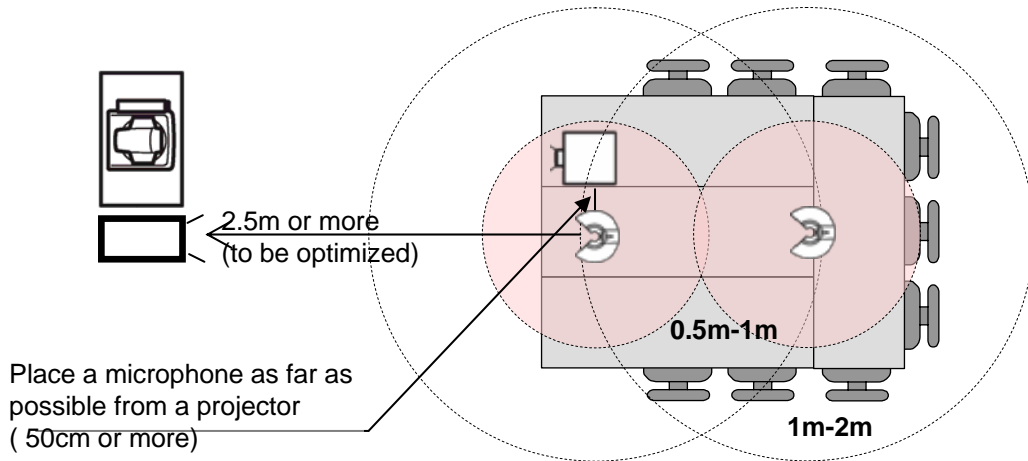
AccuMIC (ClearOne) x2



Advanced Layout (5 of 13)

- **Number of attendees: 7 to 9 (continued)**

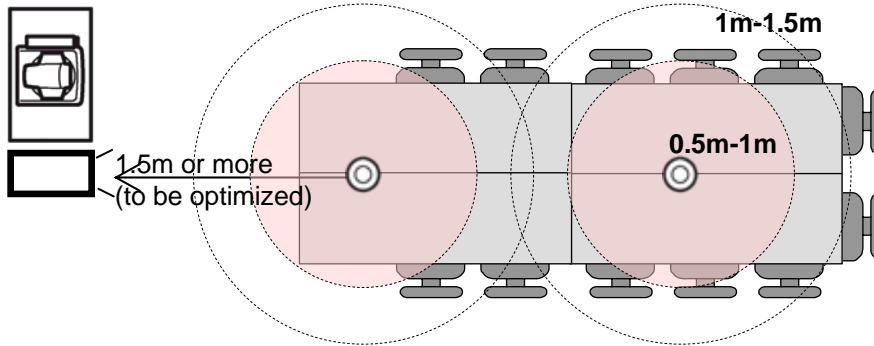
RAV600/900 (ClearOne)



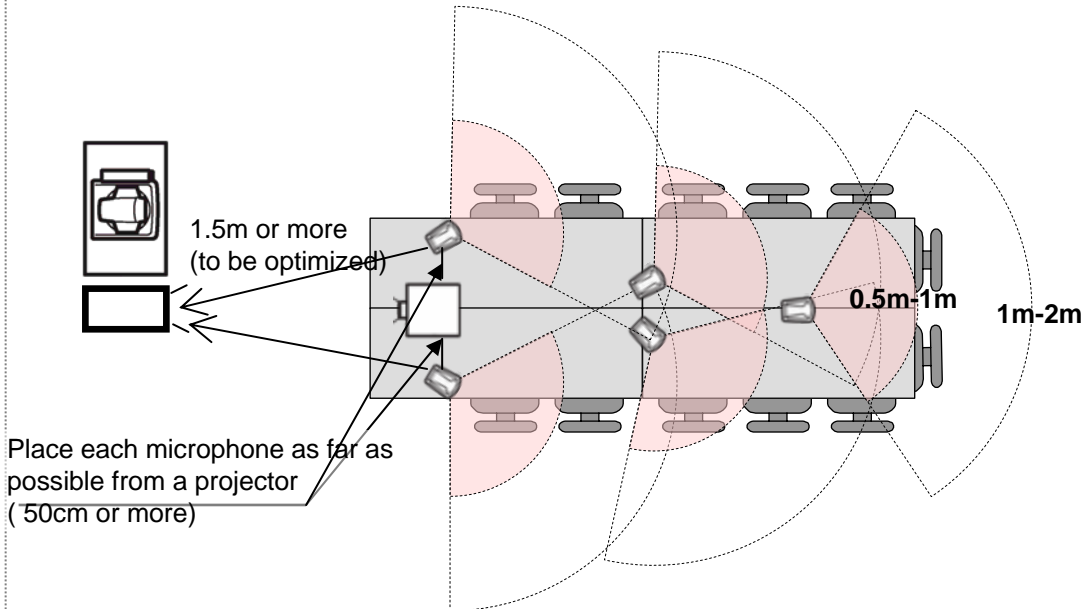
Advanced Layout (6 of 13)

- Number of attendees: 10 to 14

PCS-A1 x2



PCSA-A3 x5
(PCSA-DSB1/1S is required)

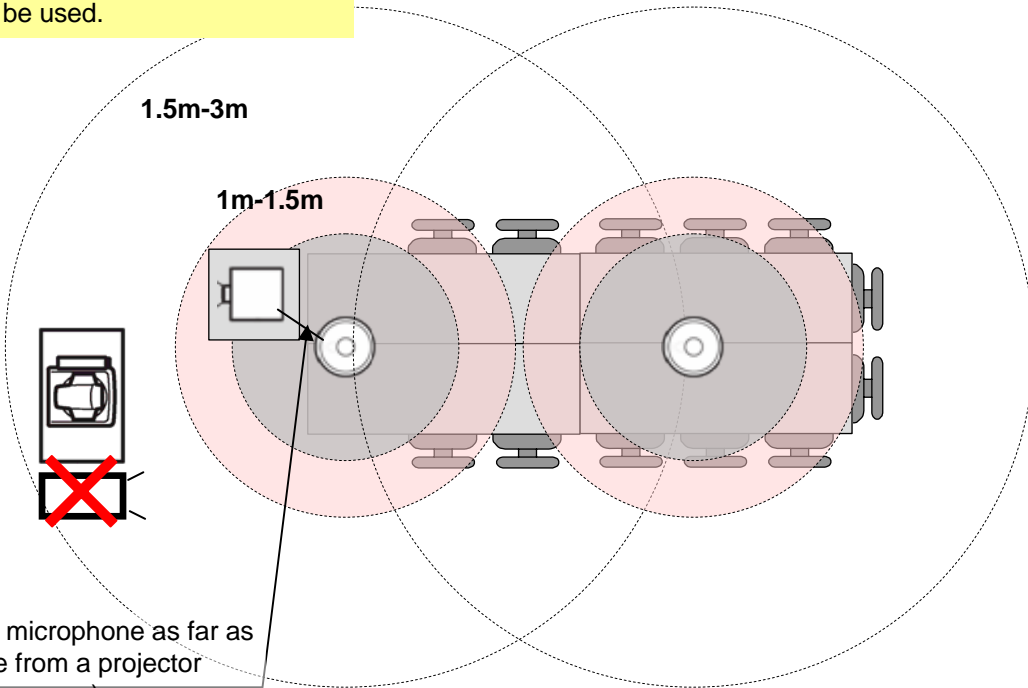


Advanced Layout (7 of 13)

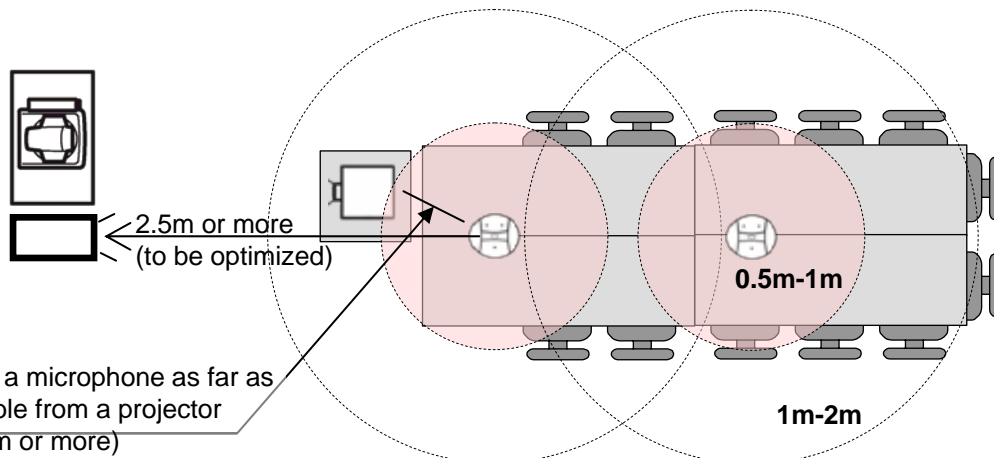
- **Number of attendees: 10 to 14 (continued)**

CTE-600 x2 + CTE-A10 x2

* TV speakers are NOT allowed to be used.



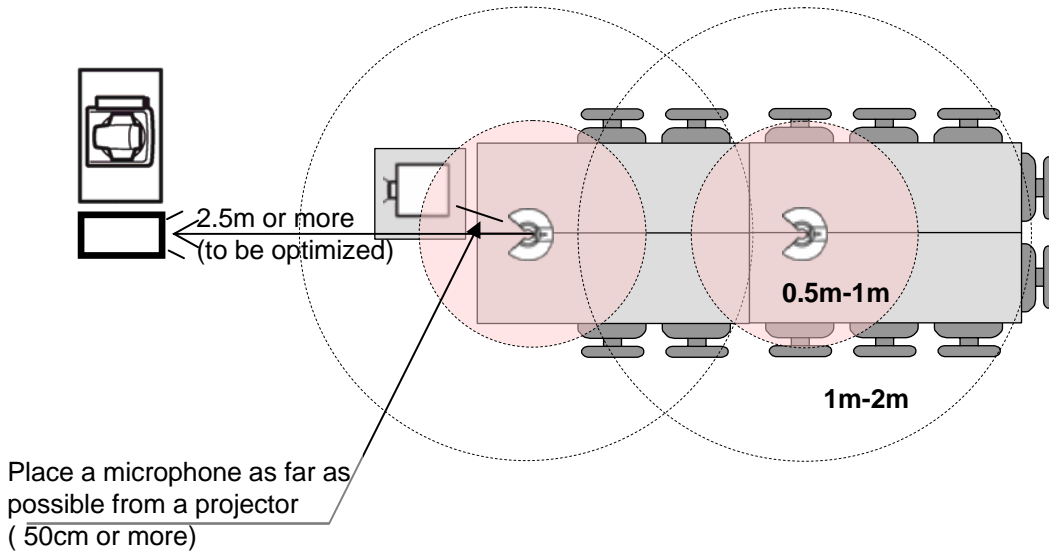
AccuMIC (ClearOne) x2



Advanced Layout (8 of 13)

- **Number of attendees: 10 to 14 (Continued)**

RAV600/900 (ClearOne)

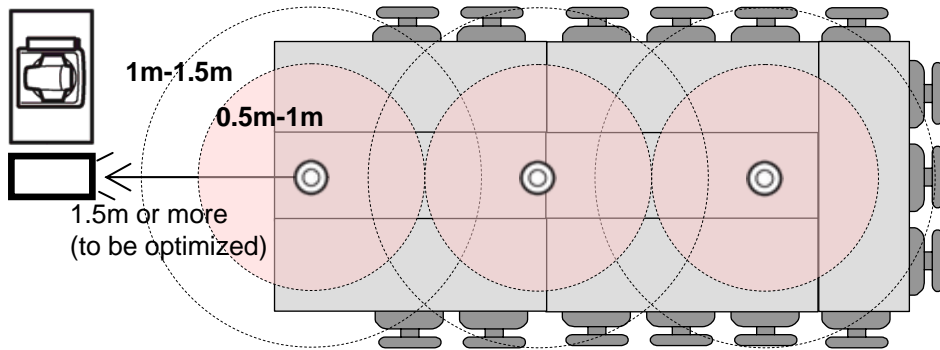


Advanced Layout (9 of 13)

- **Number of attendees: 15 or more**

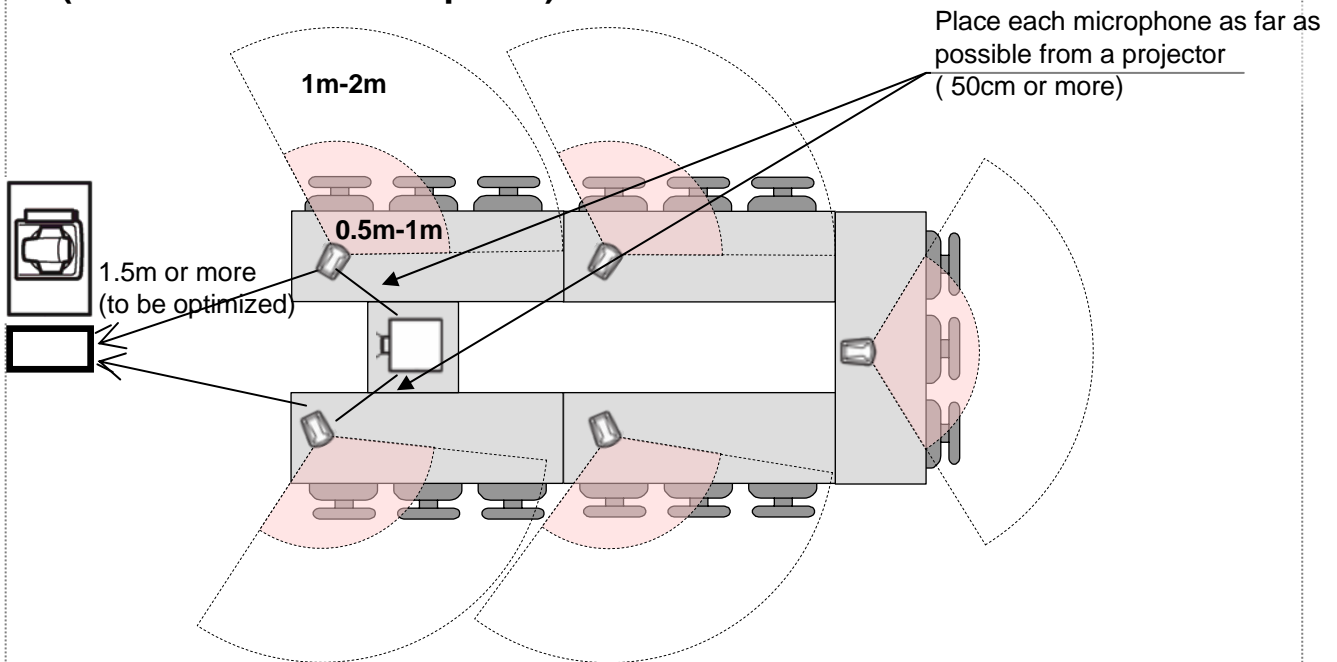
PCS-A1 x3

(PCSA-DSB1/1S is required)



PCSA-A3 x5

(PCSA-DSB1/1S is required)

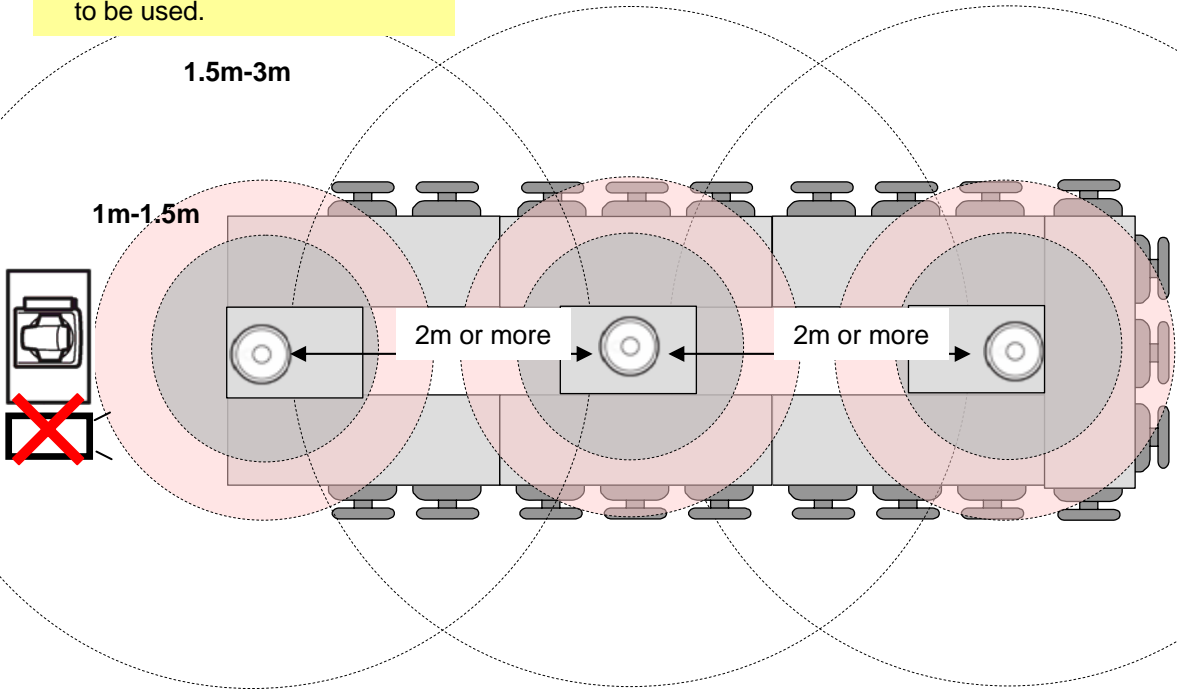


Advanced Layout (10 of 13)

- **Number of attendees: 15 or more (continued)**

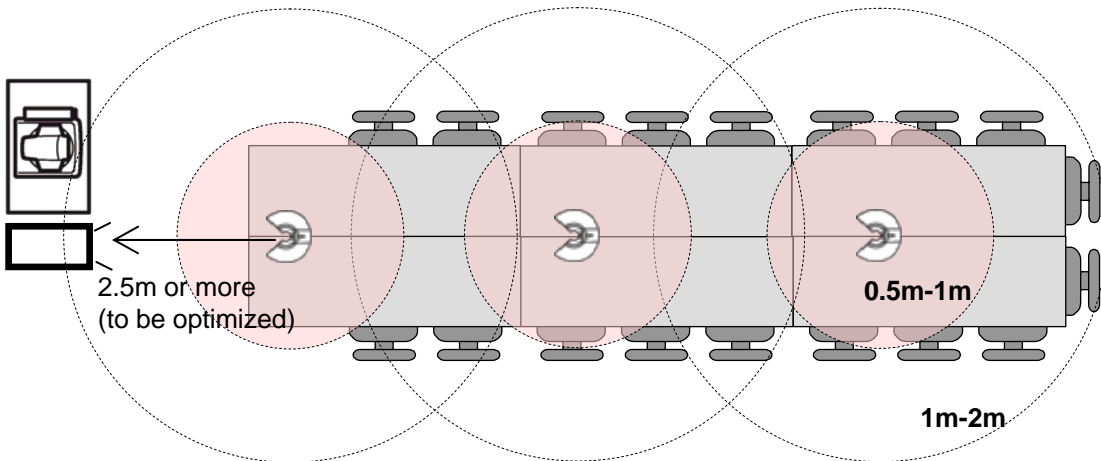
CTE-600 x3 + CTE-A10 x3

* TV speakers are NOT allowed to be used.



Additional tables should be one meter (3 ft) wide or more

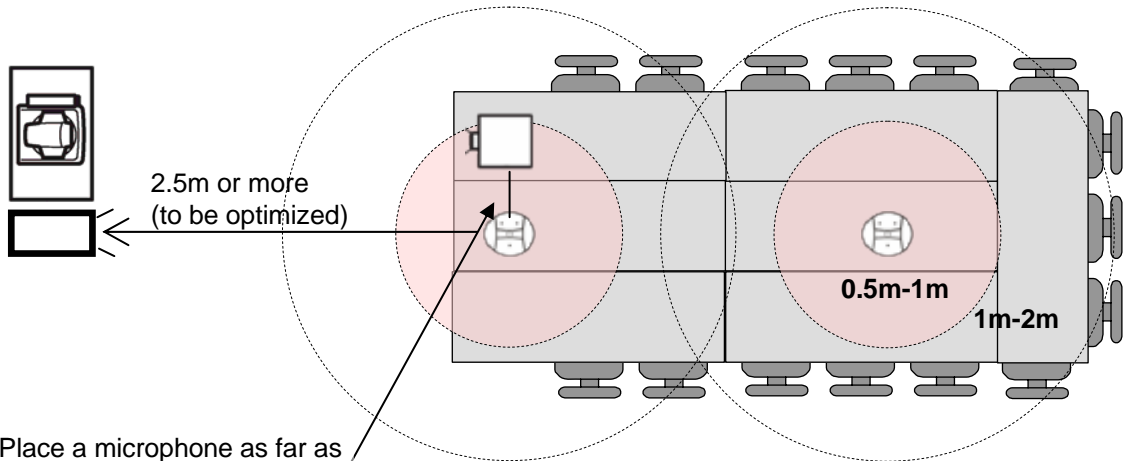
RAV900 (ClearOne)



Advanced Layout (11 of 13)

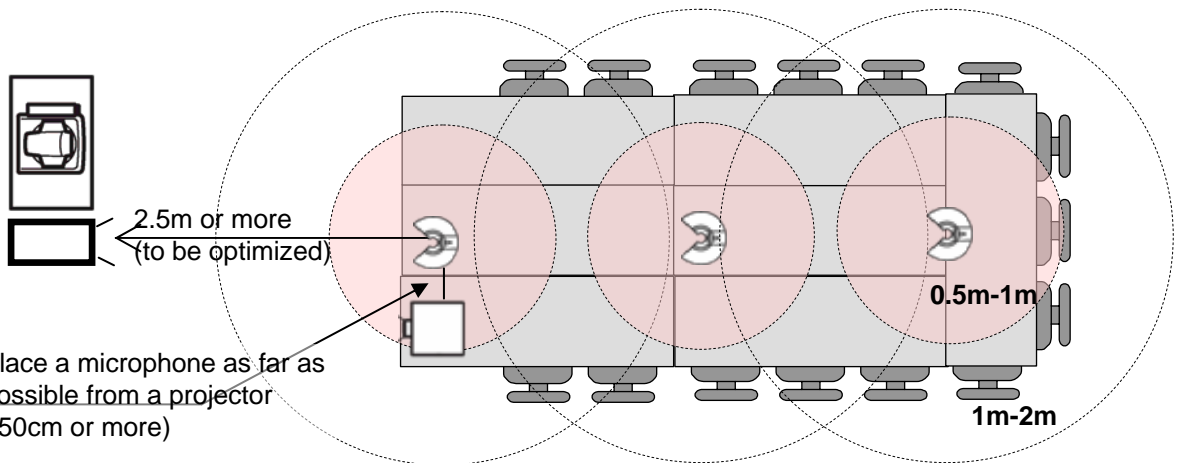
- **Number of attendees: 15 or more (continued)**

AccuMIC (ClearOne) x2



Place a microphone as far as possible from a projector (50cm or more)

RAV900 (ClearOne)



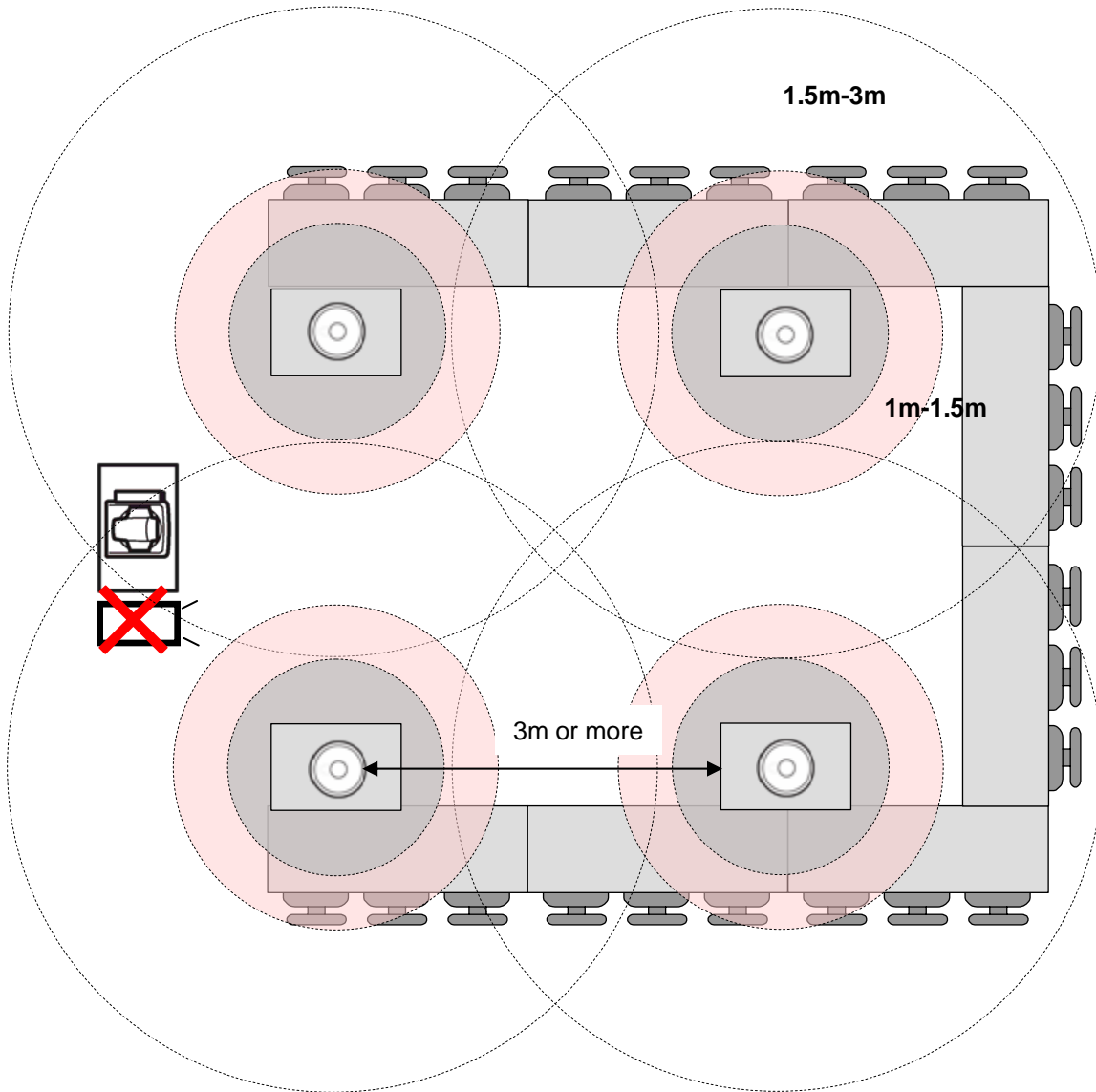
Place a microphone as far as possible from a projector (50cm or more)

Advanced Layout (12 of 13)

- **Number of attendees: 15 or more (continued)**

CTE-600 x4+ CTE-A10 x4

* TV speakers are NOT allowed to be used.



*Tables of about 1m wide are added in front of each conference table.

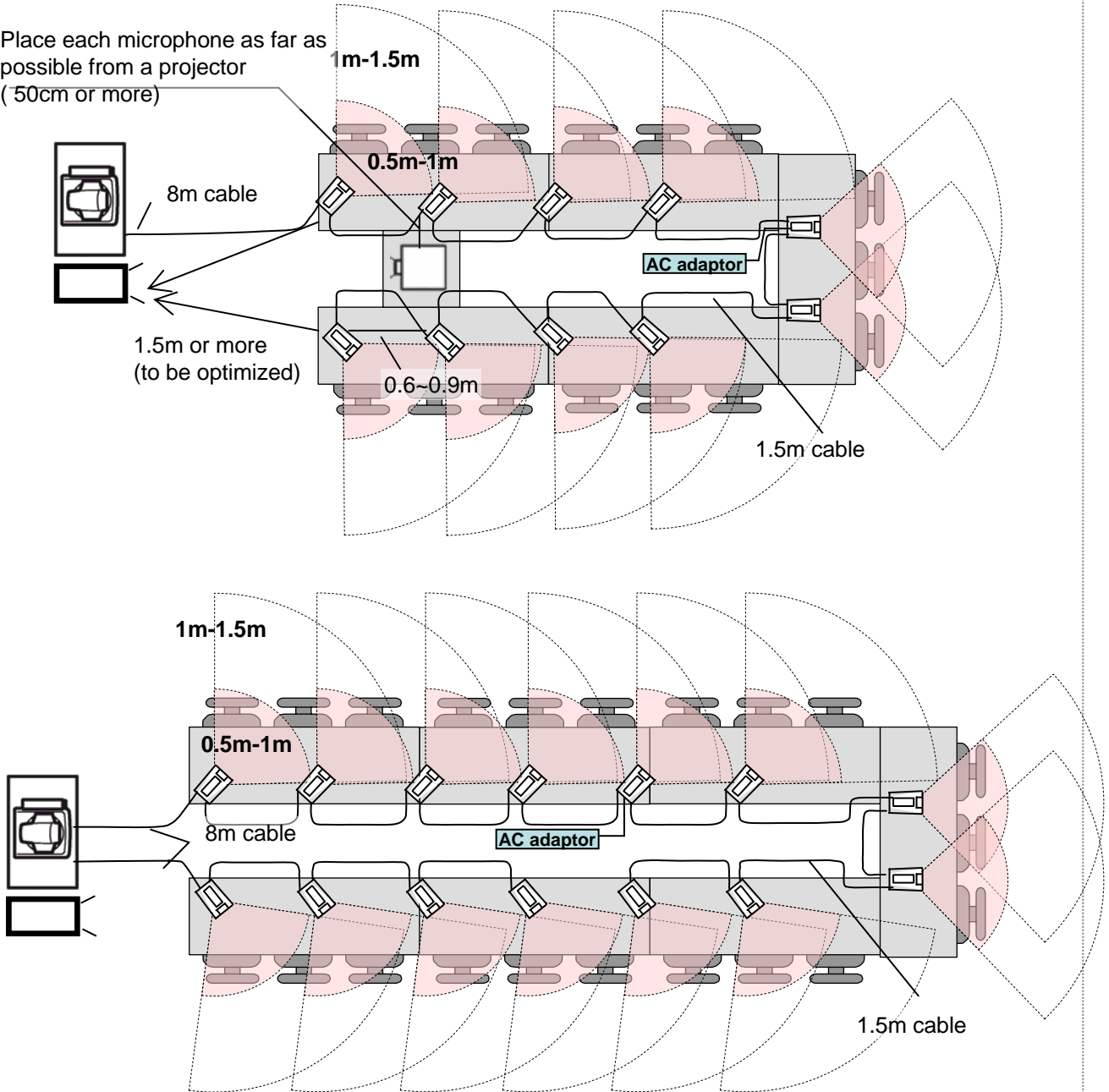
Advanced Layout (13 of 13)

- Number of attendees: 15 or more (continued)

PCSA-A7 x n

(To be used together with PCS-G70/G50)

Place each microphone as far as possible from a projector
(50cm or more)



Appendix

PCS-1 Audio Selection List

Audio Selection List of PCS-1/1P (Ver.3.3 and higher)

Audio Setup Menu		Echo Canceller		Mic Select		Audio Signal Input Terminal		Operating Status		Audio Output		Remarks	
QTE	Input Select	Mic Select	Echo Canceller	Mic Select	Audio Signal Input Terminal	Internal Echo Canceller	Mic Mute	RCVR Volume Adj.	AUDIO OUT/ DSB AUX	AUDIO OUT (MIXED) (Rec mute off)	AUDIO OUT (MIXED) (Rec mute on)	Remarks	
OFF	MIC	Internal	Internal	Internal	Built-in MIC	Enabled	Enabled	Enabled	Remote	Remote + Built-in MIC	Remote + Built-in MIC		
			External		AUDIO IN	Disabled	Disabled	Disabled	Remote	Remote + AUX	Remote + AUX		
			OFF		Built-in MIC	Disabled	Enabled	Enabled	Remote	Remote + Built-in MIC	Remote + Built-in MIC		
		External			External MIC	Enabled	Enabled	Enabled	Remote	Remote + External MIC	Remote + External MIC		
			External		AUDIO IN	Disabled	Disabled	Disabled	Remote	Remote + AUX	Remote + AUX		
			OFF		External MIC	Enabled	Enabled	Enabled	Remote	Remote + External MIC	Remote + External MIC		
		DSB MIC			DSB MIC	Enabled	Enabled	Enabled	Remote	Remote + DSB MIC	Remote + DSB MIC		
			External		AUDIO IN	Disabled	Disabled	Disabled	Remote	Remote + AUX	Remote + AUX		
			OFF		DSB MIC	Enabled	Enabled	Enabled	Remote	Remote + DSB MIC	Remote + DSB MIC		
	AUX		Internal		AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
			External		AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
			OFF		AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
		External			AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
			External		AUDIO IN	Disabled	Disabled	Disabled	Remote	Remote + AUX	No output		Recommended when an external echo canceller is used.
			OFF		AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
		DSB MIC			AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
			Internal		AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
			External		AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
			OFF		AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
		DSB MIC			AUDIO IN	Disabled	Disabled	Enabled	Remote + AUX	Remote + AUX	No output		
			Internal		Built-in MIC + AUDIO IN	Enabled	Built-in MIC Enabled	Enabled	Remote + AUX	Remote + Built-in MIC + AUX	Remote + Built-in MIC + AUX		
			External		AUDIO IN	Disabled	Disabled	Disabled	Remote	Remote + AUX	No output		
			OFF		Built-in MIC + AUDIO IN	Enabled	Built-in MIC Enabled	Enabled	Remote + AUX	Remote + Built-in MIC + AUX	Remote + Built-in MIC + AUX		
			Internal		External MIC + AUDIO IN	Enabled	External MIC Enabled	Enabled	Remote + AUX	Remote + External MIC + AUX	Remote + External MIC + AUX		
			External		AUDIO IN	Disabled	Disabled	Disabled	Remote	Remote + AUX	No output		
			OFF		External MIC + AUDIO IN	Enabled	External MIC Enabled	Enabled	Remote + AUX	Remote + External MIC + AUX	Remote + External MIC + AUX		
		DSB MIC			DSB MIC + AUDIO IN	DSB MIC Enabled	DSB MIC Enabled	Enabled	Remote + AUX	Remote + DSB MIC + AUX	Remote + DSB MIC + AUX		
			Internal		AUDIO IN	Disabled	Disabled	Disabled	Remote	Remote + AUX	No output		
			External		DSB MIC + AUDIO IN	DSB MIC Enabled	DSB MIC Enabled	Enabled	Remote + AUX	Remote + DSB MIC + AUX	Remote + DSB MIC + AUX		
			OFF		DSB MIC + AUDIO IN	DSB MIC Enabled	DSB MIC Enabled	Enabled	Remote + AUX	Remote + DSB MIC + AUX	Remote + DSB MIC + AUX		
	AUX		-		AUDIO IN	Disabled	Enabled	Disabled	Remote	Remote + AUX	No output		Recommended when an external echo canceller is used.
	DSB AUX IN		-		DSB AUX IN	Disabled	Enabled	Enabled	Remote	Remote + DSB AUX	No output		

Audio input/output
 . MIC: MIC1/MIC2 input of Communication terminal
 . DSB MIC: MIC1 to MIC5 input of Data solution box
 . LINE: AUDIO LINE input of Communication terminal

. AUX: AUDIO IN input of Communication terminal
 . DSB AUX: AUX IN input of Data solution box
 . Remote: Remote audio

PCS-G50/G70 Audio Selection List

Audio Selection List of PCS-G70/G70P/G50/G50P (Ver.2.24 and higher)

Audio Setup Menu		Operating Status			Audio Output			Remarks	
CTE	Input Select	Echo Canceller	Audio Signal Input Terminal	MIC Mute	RCVR Volume Adj.	Internal Echo Canceller	AUDIO OUT (MIXED) (Rec mute off)		AUDIO OUT (MIXED) (Rec mute on)
OFF	MIC	ON	MIC	Enabled	Enabled	Enabled	Remote + MIC	Remote + MIC	Recommended when a specified microphone #1 is used.
		OFF	MIC	Enabled	Enabled	Disabled	Remote + MIC	Remote + MIC	
	DSB MIC	ON	DSB MIC	Enabled	Enabled	Enabled	Remote + DSB MIC	Remote + DSB MIC	Recommended when a specified microphone #1 is used.
		OFF	DSB MIC	Enabled	Enabled	Disabled	Remote + DSB MIC	Remote + DSB MIC	
	LINE	ON	LINE	Enabled	Enabled	Enabled	Remote + LINE	Remote + LINE	
		OFF	LINE	Enabled	Enabled	Disabled	Remote + LINE	Remote + LINE	Recommended when an external echo canceller is used.
	EC-MIC	—	EC-MIC	Enabled	Enabled	—	Remote + EC-MIC	Remote + EC-MIC	
		ON	AUX	Disabled	Enabled	Disabled	Remote + AUX	Remote	
	AUX	OFF	AUX	Disabled	Enabled	Disabled	Remote + AUX	Remote	
		ON	AUX	Disabled	Enabled	Disabled	Remote + AUX	Remote	
		OFF	AUX	Disabled	Enabled	Disabled	Remote + AUX	Remote	
	LINE	ON	AUX	Disabled	Enabled	Disabled	Remote + AUX	Remote	
		OFF	AUX	Disabled	Enabled	Disabled	Remote + AUX	Remote	
	EC-MIC	—	AUX	Disabled	Enabled	Disabled	Remote + AUX	Remote	
		ON	MIC + AUX	MIC Enabled	Enabled	Disabled	Remote + MIC + AUX	Remote + MIC	
		OFF	MIC + AUX	MIC Enabled	Enabled	Disabled	Remote + MIC + AUX	Remote + MIC	
	DSB MIC	ON	DSB MIC + AUX	DSB MIC Enabled	Enabled	Disabled	Remote + DSB MIC + AUX	Remote + DSB MIC	
		OFF	DSB MIC + AUX	DSB MIC Enabled	Enabled	Disabled	Remote + DSB MIC + AUX	Remote + DSB MIC	
	LINE	ON	LINE + AUX	LINE Disabled	Enabled	Disabled	Remote + LINE + AUX	Remote + LINE	
		OFF	LINE + AUX	LINE Disabled	Enabled	Disabled	Remote + LINE + AUX	Remote + LINE	
	EC-MIC	—	EC-MIC + AUX	Enabled	Enabled	—	Remote + EC-MIC + AUX	Remote + EC-MIC	Recommended when CTE (which is connected to PCS-PG70) or an external echo canceller is used.
LINE	—	—	LINE	Enabled	Enabled	Disabled	Remote + LINE	Remote + LINE	Recommended when CTE (which is connected to PCS-PG70) or an external echo canceller is used.
DSB AUX IN	—	—	DSB AUX	Enabled	Enabled	Disabled	Remote + DSB AUX	Remote + DSB AUX	Recommended when CTE (which is connected to DSB AUX) is used.

*1: PCS-A1/A300, PCSA-A3, etc.

Audio input/output

- . MIC: MIC1/MIC2 input of Communication terminal
- . DSB MIC: MIC1 to MIC5 input of Data solution box
- . LINE: AUDIO LINE input of Communication terminal

- . AUX: AUDIO AUX IN input of Communication terminal
- . DSB AUX: AUX IN input of Data solution box
- . Remote: Remote audio