

Appendix 1: Hong Kong Christian Service Pui Oi School Necessary Equipment List
for IPPA System

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			Name of Equipment				IP Network Wall Mount Speaker	IP Network Column Speaker	RJ45 Wall Socket	Digital IP Network Broadcasting Client Management System	IP Network Paging Mic	Equipment for connecting 2 existing analog PA system back to IPPA system control.
		No. of Equipment					80	16	14	1	2	2
Section	Type	Room No	Location Name	Neaby Spare Cable Provided	Action	Suggested Switch or Management Location						
School	IPPA	G02	Classroom	G02-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G03	Classroom	G03-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G05	Classroom	G05-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G06	Classroom	G06-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G08	Security Guard Room	No	Install new POE Speaker about 5 cm below ceiling	G32	1					
School	IPPA	G09	Medical Inspection Room	G09-02	Install new POE Speaker about 5 cm below ceiling	G32	1					
School	IPPA	G12	Interview Room	No	Install new POE Speaker about 5 cm below ceiling	G32	1					
School	IPPA	G13	Principal Room	No	Install new POE Speaker about 5 cm below ceiling	G32	1					
School	IPPA	G14	General Office	G12-01, G12-02	Install new POE Speaker about 5 cm below ceiling, Install IP Network Paging Mic, Link the Old PA system with new IPPA System	G32	1				1	1
School	IPPA	G24	Music Room	G24-01,G24-02 (Behind Piano)	Install new POE Speaker on top of whiteboard	G32	1					
School	IPPA	G28	Visual Arts Room	No	Install new POE Speaker on top of whiteboard and add 2 additional RJ45 cable on the wall	G32	1		2			
School	IPPA	G30	Home Economics Room	G30-05	Install new POE Speaker on top of whiteboard	G32	1					
School	IPPA	G32	Preparation Room	G32-06	Install new POE Speaker about 5 cm below ceiling, Install necessary IPPA equipment and switch	G32	1			1		
School	IPPA	G33	Computer Assisted Learning Room	G33-12,G33-01(floor)	Install new POE Speaker on top of whiteboard	G32	1					
School	IPPA	G34	Classroom	G34-04	Install new POE Speaker on top of whiteboard	G32	1					
School	IPPA	G35	Classroom	G35-04	Install new POE Speaker on top of whiteboard	G32	1					
School	IPPA	G36	Small Group Teaching Room 1	G39-07	Install new POE Speaker on top of whiteboard	G32	1					
School	IPPA	G37	Small Group Teaching Room 2	G37-05	Install new POE Speaker on top of whiteboard	G32	1					
School	IPPA	G38	Library	G38-08	Install new POE Speaker about 5 cm below ceiling	G32	1					
School	IPPA	G39	Classroom	G39-01	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G40	Classroom	G40-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G41	Classroom	G41-01	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G43	Classroom	G43-03	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	G52	Playground (Tuck Shop)(Rack)	No	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	101	Classroom	101-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	102	Classroom	102-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	104	Classroom	104-02	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	105	Classroom	105-02	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	107	Life Skills Training Room	No	Install new POE Speaker about 5 cm below ceiling and add 2 additional cable on the wall	144	1		2			
School	IPPA	109	Occupational Therapy Room	109-10, 109-03	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	110	Sensory Integration Room	No	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	112	Physiotherapy Room	112-01,112-02	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	121	Laboratory	121-02	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	122	Laboratory Preparation Room	No	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	123	Integrated Science Laboratory	123-04	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	124	Textile / Garment Room	124-02	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	126	Medical Inspection Room	No	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	127	Geography Room	127-06	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	128	Computer Room	128-01,128-02	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	129	Classroom	129-02,129-04	Install new POE Speaker on top of whiteboard	144	1					

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							IP Network Wall Mount Speaker	IP Network Column Speaker	RJ45 Wall Socket	Digital IP Network Broadcasting Client Management System	IP Network Paging Mic	Equipment for connecting 2 existing analog PA system back to IPPA system control.
		Name of Equipment					80	16	14	1	2	2
		No. of Equipment										
Section	Type	Room No	Location Name	Neaby Spare Cable Provided	Action	Suggested Switch or Management Location						
School	IPPA	130	Multi Purpose Room	130-02	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	131	Multi Purpose Room	131-01	Install new POE Speaker about 5 cm below ceiling	144	1					
School	IPPA	132	Multi Purpose Room	132-01	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	133	Classroom	133-02	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	134	Classroom	134-03	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	136	Classroom	136-02,136-03	Install new POE Speaker on top of whiteboard	144	1					
School	IPPA	139	Speech Therapy Room	139	Install new POE Speaker about 5 cm below ceiling	144	1					
School	Hardware	144	Switch Room	/	Install necessary Switch and rack	/						
School	IPPA	202	Workshop	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	203	Resources Room	203-01	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	204	Meeting Room	204-01,204-04	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	205	Admin Room 1	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	206	Interview Room 2	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	207	Interview Room 1	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	208	Social Works Room 3	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	209	Social Works Room 2	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	210	Social Works Room 1	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	212	Staff Room (Left)	212-11,212-53(floor)	Install new POE Speaker about 5 cm below ceiling	213	1					
School	IPPA	212	Staff Room (Right)	No	Install new POE Speaker about 5 cm below ceiling	213	1					
School	Hardware	213	Switch Room	/	Install necessary Switch and rack							
Boarding	IPPA	BG07	Kitchen	No	Install new POE Speaker about 5 cm below ceiling	BG06	1					
Boarding	IPPA	BG09	Laundry Room (In front of BG08)	No	Install new POE Speaker about 5 cm below ceiling and add 1 addition RJ45 cable on the wall back to B109	BG06	1		1			
Boarding	IPPA	BG12	Warden's Room	No	Install new POE Speaker about 5 cm below ceiling	BG06	1					
Boarding	IPPA	BG14	General Office Outside window	No	Install new POE Speaker about 5 cm below ceiling, Install IP Network Paging Mic, Link the Old PA system with new IPPA System	BG06	1				1	1
Boarding	IPPA	BG15	Nurse Duty Room	No	Install new POE Speaker about 5 cm below ceiling	BG06	1					
Boarding	IPPA	BG16	House Parents Office	No	Install new POE Speaker about 5 cm below ceiling	BG06	1					
Boarding	IPPA	B102	Male Bedroom	No	Install new POE Speaker about 5 cm below ceiling and add 2 addition RJ45 cable on the wall back to B109	B109	1		2			
Boarding	IPPA	B103	Male Bedroom	No	Install new POE Speaker about 5 cm below ceiling and add 1 addition RJ45 cable on the wall back to B109	B109	1		1			
Boarding	IPPA	B105	Male Bedroom	No	Install new POE Speaker about 5 cm below ceiling	B109	1					
Boarding	IPPA	B106	Male Bedroom	No	Install new POE Speaker about 5 cm below ceiling	B109	1					
Boarding	IPPA	B108	Male Bedroom	No	Install new POE Speaker about 5 cm below ceiling	B109	1					
Boarding	Hardware	B109	Boarding Switch Room									
Boarding	IPPA	B110	Student Activities Centre	No	Install new POE Speaker about 5 cm below ceiling	B109	1					
Boarding	IPPA	B112	Insolation Room A	No	Install new POE Speaker about 5 cm below ceiling	B109	1					
Boarding	IPPA	B127	H Room	No	Install new POE Speaker about 5 cm below ceiling	B109	1					
Boarding	IPPA	B120	Student Activity Room	No	Install new POE Speaker about 5 cm below ceiling and add 1 addition RJ45 cable on the wall	B109	1		1			
Boarding	IPPA	B121	Hall	Hall-1/ Hall-2	Install new POE Speaker, the height should be higher than other existing Analog Speaker and it should be oriented diagonally toward the center of the hall	B109			1			
Boarding	IPPA	B121	Hall-A	Yes	Connect to new IPPA System	BG14						
Boarding	IPPA	B121	Hall-B	Yes	Connect to new IPPA System	BG14						

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		Name of Equipment					IP Network Wall Mount Speaker	IP Network Column Speaker	RJ45 Wall Socket	Digital IP Network Broadcasting Client Management System	IP Network Paging Mic	Equipment for connecting 2 existing analog PA system back to IPPA system control.
		No. of Equipment					80	16	14	1	2	2
Section	Type	Room No	Location Name	Neaby Spare Cable Provided	Action	Suggested Switch or Management Location						
Boarding	IPPA	B202	Female Bedroom	No	Install new POE Speaker about 5 cm below ceiling and add 2 addition RJ45 cable on the wall back to B109	B209	1		2			
Boarding	IPPA	B203	Female Bedroom	No	Install new POE Speaker about 5 cm below ceiling and add 2 addition RJ45 cable on the wall back to B109	B209	1		2			
Boarding	IPPA	B205	Female Bedroom	No	Install new POE Speaker about 5 cm below ceiling	B209	1					
Boarding	IPPA	B206	Female Bedroom	No	Install new POE Speaker about 5 cm below ceiling	B209	1					
Boarding	IPPA	B208	Female Bedroom	No	Install new POE Speaker about 5 cm below ceiling	B209	1					
Boarding	IPPA	B210	Student Activities Room	No	Install new POE Speaker about 5 cm below ceiling	B209	1					
Boarding	IPPA	B212	Staff Rest Room	No	Install new POE Speaker about 5 cm below ceiling	B209	1					
School	PA	GF	SGF01	Yes	Disconnect from the system	G14						
School	PA	GF	SGF02	Yes	Disconnect from the system	G14						
School	PA	GF	SGF03	Yes	Disconnect from the system	G14						
School	PA	GF	SGF04	Yes	Disconnect from the system	G14						
School	PA	GF	SGF05	Yes	Connect to new IPPA System	G14						
School	PA	GF	SGF06	Yes	Connect to new IPPA System	G14						
School	PA	GF	SGF07	Yes	Connect to new IPPA System	G14						
School	PA	GF	SGF08	Yes	Connect to new IPPA System	G14						
School	PA	GF	SGF09	Yes	Connect to new IPPA System	G14						
School	PA	GF	SGF10	Yes	Disconnect from the system	G14						
School	PA	GF	SGF11	Yes	Connect to new IPPA System	G14						
School	PA	GF	SGF12	Yes	Connect to new IPPA System	G14						
School	PA	GF	SGF13	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F01	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F02	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F03	Yes	Disconnect from the System	G14						
School	PA	1F	S1F04	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F05	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F06	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F07	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F08	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F09	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F10	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F11	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F12	Yes	Connect to new IPPA System	G14						
School	PA	1F	S1F13	Yes	Connect to new IPPA System	G14						
School	PA	2F	S2F01	Yes	Connect to new IPPA System	G14						
School	PA	2F	S2F02	Yes	Connect to new IPPA System	G14						
School	PA	2F	S2F03	Yes	Connect to new IPPA System	G14						
School	PA	2F	S2F04	Yes	Connect to new IPPA System	G14						
School	PA	2F	S2F05	Yes	Connect to new IPPA System	G14						
School	PA	2F	S2F06	Yes	Connect to new IPPA System	G14						
Boarding	PA	GF	BGF01	Yes	Connect to new IPPA System	BG14						
Boarding	PA	GF	BGF02	Yes	Connect to new IPPA System	BG14						
Boarding	PA	GF	BGF03	Yes	Connect to new IPPA System	BG14						
Boarding	PA	GF	BGF04	Yes	Connect to new IPPA System	BG14						

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		Name of Equipment					IP Network Wall Mount Speaker	IP Network Column Speaker	RJ45 Wall Socket	Digital IP Network Broadcasting Client Management System	IP Network Paging Mic	Equipment for connecting 2 existing analog PA system back to IPPA system control.
		No. of Equipment					80	16	14	1	2	2
Section	Type	Room No	Location Name	Neaby Spare Cable Provided	Action	Suggested Switch or Management Location						
School	IPPA	GF	SGFCA	G02-01	Install POE Column Speaker	144		1				
School	IPPA	GF	SGFCB	G05-01	Install POE Column Speaker	144		1				
School	IPPA	GF	SGFCC	G37-06	Install POE Column Speaker	G32		1				
School	IPPA	1F	S1FCA	139-01	Install POE Column Speaker	144		1				
School	IPPA	1F	S1FCB	139-02	Install POE Column Speaker	144		1				
Boarding	IPPA	GF	BGFA	No	Install POE Column Speaker	BG06		1				
Boarding	IPPA	GF	BGFB	No	Install POE Column Speaker	BG06		1				
Boarding	IPPA	GF	BGFC	No	Install POE Column Speaker	BG06		1				
Boarding	IPPA	1F	B1FA	No	Install POE Column Speaker	B109		1				
Boarding	IPPA	1F	B1FB	No	Install POE Column Speaker	B109		1				
Boarding	IPPA	1F	B1FC	No	Install POE Column Speaker	B109		1				
Boarding	IPPA	1F	B1FD	No	Install POE Column Speaker and add 1 additional RJ45 Cable Back to B109	B109		1	1			
Boarding	IPPA	2F	B2FA	No	Install POE Column Speaker	B209		1				
Boarding	IPPA	2F	B2FB	No	Install POE Column Speaker	B209		1				
Boarding	IPPA	2F	B2FC	No	Install POE Column Speaker	B209		1				

Appendix 2: Hong Kong Christian Service Pui Oi School -
Whole School Map for Equipment Location

Map Symbol:

● POE Speaker may connect to 145

● POE Speaker may connect to G32

● POE Speaker may connect to 213

● POE Speaker may connect to BG06/ B109 / B209

■ POE Column may connect to 145

■ POE Column may connect to G32

■ POE Column may connect to BG06/ B109 / B209

⊠ Add Spare Node Back to G32

⊠ Add Spare Node Back to 145

⊠ Add Spare Node Back to B109

Switch room may use:

B209 213

B109 144

BG06 G32

⊗ Spare Node On Wall With Name Back to 145

⊗ Spare Node On Wall With Name Back to G32

⊗ Spare Node On Wall With Name Back to 213

⊗ Spare Node On Wall With Name Back to B109

⊗ Spare Node On Floor With Name Back to 145

⊗ Spare Node On Floor With Name Back to G32

⊗ Spare Node On Floor With Name Back to 213

● Existing School PA Speaker (Need to connect back to new IPPA System)

■ Existing PA System Control Box (Need to connect back to new IPPA System)

● Existing Boarding PA Speaker (Need to connect back to new IPPA System)

■ Existing Boarding PA System Control Box (Need to connect back to new IPPA System)

▶ Existing Boarding PA Horn Speaker (Need to connect back to new IPPA System)

■ All necessary IPPA Control Device (Please refer to spec for minimum requirement)

■ IPPA Network Paging Mic

Appendix 2: School Whole Map GF

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Appendix 2: Hong Kong Christian Service Pui Oi School - Whole School Map for Equipment Location:

Map Symbol:

● POE Speaker may connect to 145

● POE Speaker may connect to G32

● POE Speaker may connect to 213

● POE Speaker may connect to BG06/ B109 / B209

■ POE Column may connect to 145

■ POE Column may connect to G32

■ POE Column may connect to BG06/ B109 / B209

⊠ Add Spare Node Back to G32

⊠ Add Spare Node Back to 145

⊠ Add Spare Node Back to B109

Switch room may use:

B209

B109

BG06

213

144

G32

⊗ Spare Node On Wall With Name Back to 145

⊗ Spare Node On Wall With Name Back to G32

⊗ Spare Node On Wall With Name Back to 213

⊗ Spare Node On Wall With Name Back to B109

⊠ Spare Node On Floor With Name Back to 145

⊠ Spare Node On Floor With Name Back to G32

⊠ Spare Node On Floor With Name Back to 213

● Existing School PA Speaker (Need to connect back to new IPPA System)

■ Existing PA System Control Box (Need to connect back to new IPPA System)

● Existing Boarding PA Speaker (Need to connect back to new IPPA System)

■ Existing Boarding PA System Control Box (Need to connect back to new IPPA System)

▶ Existing Boarding PA Horn Speaker (Need to connect back to new IPPA System)

■ All necessary IPPA Control Device (Please refer to spec for minimum requirement)

■ IPPA Network Paging Mic

Appendix 2: School Whole Map 2F

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