## Panasonic

# AG-CX350 / AW-RP150 Connection Setup Guide

Wireless







### August 2020



## 1. Wired Connection

## 2. <u>Wireless Connection</u>

## 3. <u>Supported Functions</u>

## **1. Wired Connection**



# 1-1. CX350 Connection Setting - Wired



MENU>NETWORK>DEVICE SEL> 1.

### LAN



4. Set Account name, e.g., CX350



2. IP REMOTE>ENABLE/DISABLE>

### ENABLE(HOLD)



5. Set Password, e.g., 12345678



3. USER ACCOUNT

E	ENABLE/DISABLE	ENABLE(HOLD)	*
С	USER ACCOUNT		
1	ACCOUNT LIST		
N			
X			
R			
N			

# 1-1. CX350 Connection Setting - Wired



- e.g.,
- DHCP : OFF
- IP ADDRESS : 192.168.1.35
- SUBNET MASK : 255.255.255.0
- DEFAULT GATEWAY : 192.168.1.1





6. LAN PROPERTY>IPv4 SETTING>

Set parameters ⇒ Close MENU



### Wired LAN mark shows it is operating

# 1-2. RP150 Connection Setting #1



Insert SD card to SD CARD SLOT 1.



- e.g.,
- **IP ADDRESS**
- SUBNET MASK

2. SYSTEM button>5 RP IP SET>

Set parameters, then hit UP LOAD  $\Rightarrow$  OK  $\Rightarrow$  Reboot RP150

CAMO	01		TALLY	: 00		1/2
	1 CAMERA MENU OP 6	2 RP SETTING 7	3 FILES 8	4 RP INIT 9	5 RP VERSION	•
	GP I TALLY	GPIO CAM SEL	GPO CAM. G	GP I PMEM	GP I PMEM. G	
1	MODE FORMAT					
2	5	SELECT				
3	FILE					1/1
4	YES?					

3. MAINTENANCE button>3 FILES >FORMAT>Hit YES  $\Rightarrow$  YES  $\Rightarrow$  OK



4. SYSTEM button>2 CONNECT

## SETTING>Hit LAN AG>Hit YES

	10 5VT	9 CW L IN	3	S 141 1	7 POP
DL	CONTROL	ASSIG	TING	SETI	LINK
D	DATA LOAD	SAVE	DATA	MD	CNNCT
Part and	NO?	ES?	Y	AG	LAN
	CAM4	АМЗ	C	2	CAM:
	NON	ION	N		NON
4/11	CAM8	CAM7		6	CAM
	NON	ION	N		NON
	CAM12	M11	CA	0	CAM1
▼ .	NON	ION	N		NON
	CAM16	M15	CA	4	CAM1
	NON	ION	N		NON

1/2			: 🗆 🗆	ALLY	T	
	5 RP	О Е т	4 AUTO	3 IUAL SET	MAN	2 ONNECT
•	10 EXT CONTROL	NK SN	9 SW LII ASSIG	B LINK TING	SW I SET	7 ROP LINK
SAL!	ATA LOAD	D	SAVE	DAT	MD AG	
	CAM4		AM3	С	2	CAM
	NON	C LA UNIO	ION AM7		6	CAM
1/11	NON		ION	N	I	NON
	CAM12 NON		M11 ION	CA	0	CAM1 NON
	CAM16		M15	CA	4	CAM1
	NON		ON			NON

### : 192.168.1.15 : 255.255.255.0

### **DEFAULT GATEWAY** : 192.168.1.1

	🗞 RP150 Setup Software	MENU>NETWORK>IP REMOTE>USER ACCOUNT	MENU>NETWORK>IP R
<b>**</b> *	Setting Auto IP Cam Assign Preset Name User Auth.	Account name CX350	Password ***
RP150PCTool		1 2 3 4 5 6 7 8 9 0	1 2 3
		- / : ; ( ) \$ & @	· / (
	New User Name CX350		
	New Password	Save RP150 Setting Data	
	Retype New Password	$f_{\#} \leftarrow \rightarrow \checkmark \uparrow \square \Rightarrow \text{ This PC} \Rightarrow \text{SDHC Card (D:)} \Rightarrow P$	RIVATE > MEIGROUP >
		Organize 🔻 New folder	
		^ Name	Dat
	LOAD JAVE	Quick access Network.s15	209

- 1. Pull SD card from RP150, then insert it to PC
- 2. <u>Download RP150 Setup Software</u>, then open it
- 3. Select "User Auth." tab
- 4. Select C001 (CX350 will be assigned to CAM1)
- 5. Set "New User Name" and "New Password" you set in Page 4 Step #4 & #5 (CX350 and 12345678)
- 6. Hit "SAVE"
  - Location: SD CARD>PRIVATE>MEIGROUP>PAVCN>SBG>SYSCAM>RP150>DATA
  - File name: e.g., CX350.s15

File name:	CX350
Save as type:	RP150 Setting (*.s15)




🗞 RP150 Setup Software	× CAMER DEVICE MAC A
Setting Auto IP Cam Assign Preset Name User Auth	SCENE NETWO IPv4 SE
	AUDIO IP REM IPv6 SE
CAMERA CAMERA CNTRL TYPE CAMERA MAC ADDRESS IP ADDRESS CAMERA SWAP CAMERA	
C001 Network AG V 00:00:00:00:00 192 . 168 . 1 . 35 49154 V	RECORI NDI HX
C002 NoAsign ~ 00:00:00:00:00 192 . 168 . 0 . 11 80 ~	
C003 NoAsign V 00:00:00:00:00 192 . 168 . 0 . 12 80 V	
•	SYSTEN WLAN I
•	
	- Official inform
•	
C022 NoAsign V 00:00:00:00:00 192 168 0 31 80 V V	
ALL CLEAR LOAD SAVE	

- 1. Select "Setting" tab, then hit "ALL CLEAR"
- 2. In "CAMERA NO" C001 column, set "CNTRL TYPE" as Network AG, "CAMERA PORT NO" as <u>49154</u>, "IP ADDRESS" you set in Page 5 Step #6 (192.168.1.35)
- 3. Hit "SAVE" ⇒ Overwrite "CX350.s15" you created in the previous page
  - Location: SD CARD>PRIVATE>MEIGROUP>PAVCN>SBG>SYSCAM>RP150>DATA
  - File name: e.g., CX350.s15 •

DHCP	OFF 🕨
IP ADDRESS	192.168. 1.35
SUBNET MASK	255.255.255.0
DEFAULT GATEWAY	192.168. 1. 1
PRIMARY DNS	0. 0. 0. 0
SECONDARY DNS	0. 0. 0. 0

## **1-4. RP150 Connection Setting #2**



1. Pull SD card from PC, then insert it to RP150 SD CARD SLOT

CAMO	01		T /	ALLY	: 00			1/2
	1 CAMERA	2 CONNECT SETTING	MAN IP	₿ UAL SET	4 AUTC IP SE	, T	5 RP IP SET	
	6 TRACKING	7 ROP LINK	SW I SET	3 .   NK   NG	9 SWLI ASSIG	NK in	10 EXT CONTROL	
	CAM SEL	CNNCT	MD	DAT	A SAVE	D	ATA LOAD	
	CAM1	LAN_	AG	N	10?		YES?	
	CAM1	CAM	2	C	AM3		CAM4	<b>A</b>
4	LAN_AG	NO	1		NON		NON	
3	CAM5	CAM	6	C	AM7		CAM8	4/4
э	NON	NOM	1		NON		NON	
	CAM9	CAM1	0	C	AM11		CAM12	
4	NON	NOM	N		NON		NON	
	CAM13	CAM1	4	C.	AM15		CAM16	
5	NON	NON			NON		NON	

2. SYSTEM button>2 CONNECT

### **SETTING>Hit YES**



- CAM001 CAMERA TRACKING Network CX350
- 3.

### then hit it $\Rightarrow$ Yes $\Rightarrow$ OK





4. Now, RP150 can control CX350!

(Camera parameters shows up on RP150 & "R" mark shows up on CX350 LCD)

"R" is overlaid on Wired LAN mark

### Select file you created (CX350),



## 2. Wireless Connection



# 2-1. CX350 Connection Setting - Wireless



MENU>NETWORK>DEVICE SEL>

### WLAN



4. Set Account name, e.g., CX350



2. IP REMOTE>ENABLE/DISABLE> ENABLE(HOLD)



5. Set Password, e.g., 12345678



3. USER ACCOUNT



**INFRA(SELECT)** 

### 6. WLAN PROPERTY>TYPE>

E	MAC ADDRESS 7	EXIT
C	ТҮРЕ	DIRECT
Л	SSID	✓ INFRA(SELECT)
N	BAND	INFRA(MANUAL)
X	CHANNEL(2.4GHz)	
R	CHANNEL(5GHz)	
1	ENCRYPTION	
N	ENCRYPT KEY	

E	ENABLE/DISABLE	ENABLE(HOLD)	•
C	USER ACCOUNT		
N	ACCOUNT LIST		
1			
X			
R			
N			



# 2-1. CX350 Connection Setting - Wireless



### SSID>Select appropriate SSID

	CAMER	DEVICE	IPv4 SE	DHCP	OFF ►
	SCENE	NETWC		IP ADDRESS	192.168. 1.35
	AUDIO	IP REM		SUBNET MASK	255.255.255.0
$\triangle$	VIDEO	STREAM		DEFAULT GATEWAY	192.168. 1. 1
	RECORI	NDI HX		PRIMARY DNS	0. 0. 0. 0
$\nabla$	NETWO	LAN PR		SECONDARY DNS	0. 0. 0. 0
	SYSTEM	WLAN I			
C	OTHERS	INFORM			

**10.IPv4 SETTING> Set parameters** 

 $\Rightarrow$  Close MENU

	CAMER	DEVICE	MAC ADDRESS	74:DA:38:F7:7C:FD	
	SCENE	NETWO	TYPE	INFRA(SELECT)	٨
	AUDIO	IP REM	SSID	NODOGUROfromAZU	
$\Delta$	VIDEO	STREAM	BAND	2.4GHz	٨
	RECORI	NDIIHX	CHANNEL(2.4GHz)	AUTO	٨
$\nabla$	NETWO	LAN PR	CHANNEL(5GHz)		*
	SYSTEM	WLAN I	ENCRYPTION	WPA2-AES	•
Ð	OTHERS	INFORM	ENCRYPT KEY		

### 8. Select ENCRYPT KEY

\* Most of the cases WPA2-AES works as ENCRYPTION. If not, change it accordingly.

e.g.,

- DHCP : OFF ٠
- **IP ADDRESS** : 192.168.1.35
- SUBNET MASK : 255.255.255.0
- DEFAULT GATEWAY : 192.168.1.1 •



9.

network





is established

# **10. Wi-Fi icon changes if the connection**

### Enter the encrypt key of the



# **2-2. RP150 Connection Setting #1**



Insert SD card to SD CARD SLOT 1.



- e.g.,
- **IP ADDRESS**
- SUBNET MASK
- **DEFAULT GATEWAY**

2. SYSTEM button>5 RP IP SET>

Set parameters, then hit UP LOAD  $\Rightarrow$  OK  $\Rightarrow$  Reboot RP150

CAMO	01		TALLY	: 00		1/2
	1 CAMERA MENU OP	2 RP SETTING	3 FILES	4 RP INIT	5 RP VERSION	
	6 GP I TALLY	7 GPIO CAM SEL	8 GPO CAM. G	9 GP I PMEM	10 GP I PMEM. G	
1	MODE FORMAT					
2	5	SELECT				
3	FILE					1/1
4	YES?					

3. MAINTENANCE button>3 FILES **>FORMAT>Hit YES**  $\Rightarrow$  Yes  $\Rightarrow$  OK



4. SYSTEM button>2 CONNECT

## SETTING>Hit LAN AG>Hit YES

	IT SET IF SET IF SET		II JLI			
	10 5VT	9 CW L IN	3	7 8 DOD CW 1		
DL	CONTROL	ASSIG	TING	SETI	LINK	
D	DATA LOAD	SAVE	DATA	MD	CNNCT	
Part and	NO?	ES?	Y	AG	LAN	
	CAM4	АМЗ	CAM3		CAM:	
	NON	NON			NON	
4/11	CAM8	AM7	CAM7		CAM	
	NON	ION	NON		NON	
	CAM12	M11	CAM11		CAM10	
▼ .	NON	ION	NON		NON	
	CAM16	M15	CAM15		CAM14	
	NON	ION	N	NON		

1/2			: 00	ALLY	T /		
	5 RP IP SET	) T	4 AUTO IP SE	3 IUAL SET	2 NNECT MAN TTING IP		
	10 EXT CONTROL	NK iN	9 SW LII ASSIG	B LINK TING	SW I SET	7 ROP LINK	
1	ATA LOAD	DA	SAVE	DATA	MD	CNNCT	
	NO?		ES?	Y	AG	LAN_	
	CAM4	REAL	CAM3		2	CAM	
	NON		NON			NOM	
	CAM8		AM7	С	6	CAM	
1/11	NON		ION	N	NON		
	CAM12	CAM12		CAM11		CAM10	
-	NON		NON		1	NOM	
	CAM16		M15	CA	4	CAM1	
	NON		ION	N	J	NON	

### : 192.168.1.15 : 255.255.255.0

### : 192.168.1.1

	🗞 RP150 Setup Software	MENU>NETWORK>IP REMOTE>USER ACCOUNT	MENU>NETWORK>IP R
<b>**</b> *	Setting Auto IP Cam Assign Preset Name User Auth.	Account name CX350	Password ***
RP150PCTool	C001 ~		
	New User Name CX350		
	Retype New Password	$ \begin{array}{c} 123 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	RIVATE > MEIGROUP >
	LOAD SAVE	Quick access	Dat

- 1. Pull SD card from RP150, then insert it to PC
- 2. <u>Download RP150 Setup Software</u>, then open it
- 3. Select "User Auth." tab
- 4. Select C001 (CX350 will be assigned to CAM1)
- 5. Set "New User Name" and "New Password" you set in Page 11 Step #4 & #5 (CX350 and 12345678)
- 6. Hit "SAVE"
  - Location: SD CARD>PRIVATE>MEIGROUP>PAVCN>SBG>SYSCAM>RP150>DATA
  - File name: e.g., CX350.s15

File name:	CX350
Save as type:	RP150 Setting (*.s15)




🗞 RP150 Setup Software									×		CAMER	DEVICE	MAC A
Setting Auto IP Cam Assign	Preset Name	User Auth									SCENE	NETWO	IPv4 SE
	The set that the	obor / tall.									AUDIO	IP REM	IPv6 SE
CAMERA	CAMERA NO	ONTRL TYP	Έ	CAMERA NAME	MAC ADDRESS	IP ADDRESS	CAMERA PORT NO			$\triangle$	VIDEO	STREAM	
	C001	Network AG	~		00:00:00:00:00:00	192 . 168 . 1 . 35	49154	~			RECOR	NDI H>	
	C002	NoAsign	~		00:00:00:00:00:00	192 . 168 . 0 . 11	80	~		$\nabla$	NETWO		
	C003	NoAsign	$\sim$		00:00:00:00:00:00	192 . 168 . 0 . 12	80	~		V	INLIVIC	LANTIN	
					•				I		SYSTEM	WLAN	
					•						OTHER	INFORM	
											OTTER		
					•								
	C022	NoAsign	$\sim$		00:00:00:00:00:00	192 . 168 . 0 . 31	80	~ *					
					ALL CLEAR	LOAD	SAVE						

- 1. Select "Setting" tab, then hit "ALL CLEAR"
- 2. In "CAMERA NO" C001 column, set "CNTRL TYPE" as Network AG, "CAMERA PORT NO" as <u>49154</u>, "IP ADDRESS" you set in Page 12 Step #10 (192.168.1.35)
- 3. Hit "SAVE" ⇒ Overwrite "CX350.s15" you created in the previous page
  - Location: SD CARD>PRIVATE>MEIGROUP>PAVCN>SBG>SYSCAM>RP150>DATA
  - File name: e.g., CX350.s15 •

DHCP	OFF 🕨
IP ADDRESS	192.168. 1.35
SUBNET MASK	255.255.255.0
DEFAULT GATEWAY	192.168. 1. 1
PRIMARY DNS	0. 0. 0. 0
SECONDARY DNS	0. 0. 0. 0

## 2-4. RP150 Connection Setting #2



1. Pull SD card from PC, then insert it to RP150 SD CARD SLOT

CAMO	01		TA	LLY	: 00			1/2
	1 CAMERA	2 CONNECT SETTING	3 MAN IP	UAL SET	4 AUTO IP SE	T	5 RP IP SET	
	6	7	8	1.110	9		10 EXT	
	TRACKING	LINK	SETT	ING	ASSIG	iN N	CONTROL	
	CAM SEL	CNNCT	MD	DAT	A SAVE	D	ATA LOAD	
	CAM1	LAN_	AG	G NO?		YES?		
7	CAM1	CAM1 CAM2		CAM3		CAM4		<b>A</b> :
4	LAN_AG	NOM	V V		NON		NON	
2	CAM5	CAM5 CAM		IG CAM7		CAM8		1/1
3	NON	NOM	J	NON		NON		
	CAM9	CAM1	0	C.	AM11		CAM12	
4	NON	NOM			NON	NON		
1.1.1.1.1.1.1	CAM13	CAM1	4	C,	AM15		CAM16	
3	NON	NOM	1		NON		NON	

2. SYSTEM button>2 CONNECT

### **SETTING>Hit YES**



- CAM001 CAMERA TRACKING Network CX350
- 3.

### then hit it $\Rightarrow$ Yes $\Rightarrow$ OK





4. Now, RP150 can control CX350!

(Camera parameters shows up on RP150 & "R" mark shows up on CX350 LCD)



### Select file you created (CX350),



## 3. Supported Functions - CX350 + RP150



CAM001:0	Cam_ENG		TA	LLY:		REC:	1/3
CAM	IRIS :	CLOSE		OPE	N F3.9	[Cam_E	NG]
1	Z00M :	WIDE		TEL	E		
	FOCUS :	NEAR		FAR		NO AL	ARM
GROUP1							
	GAIN						
R		B					
	+2	+ 3					
	PED				R	OCKER	
R		B	M. P	ED	SELECT	MOL	) E
	+4	+ 5		+ 6	ZOOM	ENAE	BLE
GAI	N SI	HTER SP	PEED		ND	COLOR	ТМР
2 d	B	1/60	. 0	N	D2	279(	DK

Lens Control:

ZOOM, iZOOM, FOCUS, IRIS, OIS

□ <u>Paint control & Picture adjustment:</u>

AWB, ABB, COLOR TEMP

**R/B GAIN**, (Master) GAIN, R/B/G PED, Master PED

CHROMA, MATRIX, COLOR CORRECTION

DTL, SKIN DTL

ND, SHUTTER, GAMMA, KNEE

**SCENE FILE** 

Other:

**REC Start/Stop MENU** control Tally trigger from RP150 GPIO **Audio setting Color BAR** 

