



SIM2 BV INTERNATIONAL SRL

# CRYSTAL-4-SH

**IR Control**

Rev. 1.1 (18 January 2021)

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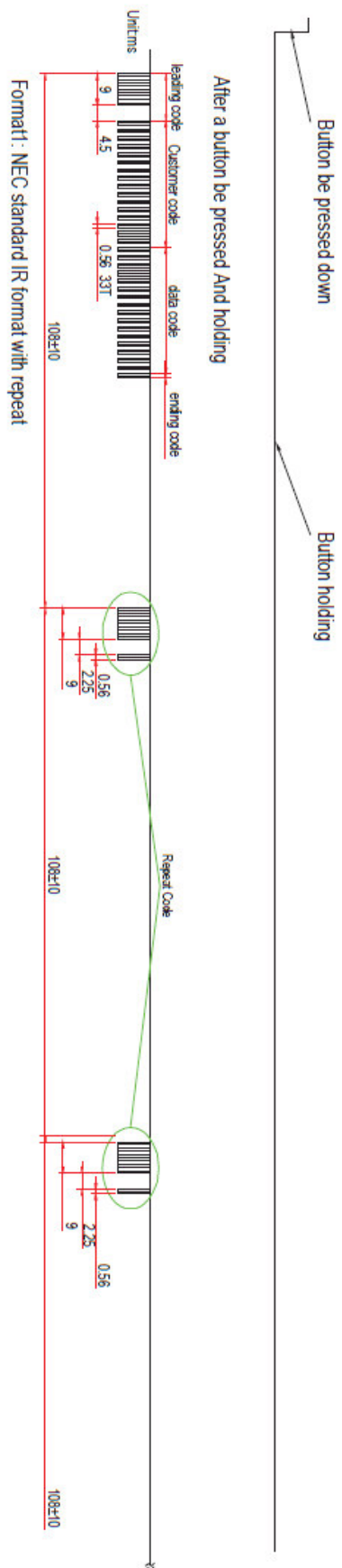
## Revision History

<b>Rev.</b>	<b>Date</b>	<b>Software Version</b>	<b>Description of Change</b>
1.0	18 January 2021		Initial version.

# 1. IR communication



The IR formatting timing chart is conforming the NEC coding standard



Key Position	printing-key definition	Key code				Repeat
		BYTE1	BYTE2	BYTE3	BYTE4	
		customer 0	customer 1	data 0	data 1	
1	Power Off	32	CD	2E	#BYTE3	F1
2	Power On	32	CD	02	#BYTE3	F1
3	Brightness	32	CD	41	#BYTE3	F1
4	Gamma	32	CD	43	#BYTE3	F1
5	Contrast	32	CD	42	#BYTE3	F1
6	Lens	NOT USED				
7	Color Settings	32	CD	D2	#BYTE3	F1
8	Iris	NOT USED				
9	F1	NOT USED				
10	F2	NOT USED				
11	F3	NOT USED				
12	Aspect	32	CD	D4	#BYTE3	F1
13	Pure Engine/Pure	32	CD	4A	#BYTE3	F1
14	Arrow Up	32	CD	C6	#BYTE3	F1
15	Disp.Mode/Mode	32	CD	95	#BYTE3	F1
16	Arrow Left	32	CD	C8	#BYTE3	F1
17	ENTER	32	CD	C5	#BYTE3	F1
18	Arrow Right	32	CD	C9	#BYTE3	F1
19	Menu	32	CD	88	#BYTE3	F1
20	Arrow Down	32	CD	C7	#BYTE3	F1
21	Info	32	CD	25	#BYTE3	F1
22	Light	NA	NA	NA	NA	NA
23	Re-Sync	32	CD	04	#BYTE3	F1
24	HDMI1	32	CD	16	#BYTE3	F1
25	HDMI2	32	CD	9B	#BYTE3	F1
26	HDMI3	NOT USED				
27	DP	NOT USED				
28	VGA/YPbPr	32	CD	8E	#BYTE3	F1

Light button for turn on backlight of IR remote. The backlight of IR remote will be turn off automatically after 60 seconds while no button pressed.

**SIM2 BV INTERNATIONAL SRL**

Viale Lino Zanussi, 11  
33170 Pordenone | Italy  
Phone: +39.0434383292  
Email: [info@sim2.it](mailto:info@sim2.it)  
[www.sim2.com](http://www.sim2.com)

**SIM2 USA**

SIM2 USA Inc.  
10216 NW 47th Street  
Sunrise, FL 33351  
Phone: +1 (954) 442 299  
Email: [sales@sim2usa.com](mailto:sales@sim2usa.com)  
[www.sim2usa.com](http://www.sim2usa.com)

**SIM2 Brionvega Co. Ltd**

Room 303-304, No. 244 Liaoning Road  
Shanghai 200080 | CN  
Phone/Fax: +86.21.62881991  
Email: [infoCHINA@sim2.com](mailto:infoCHINA@sim2.com)