# Manufacturer: Crestron Germany
# Model: Loewe LCD

| GENERAL INFORMATION: | |
| --- | --- |
| SIMPLWINDOWS NAME: | Loewe LCD IR v3 CG |
| CATEGORY: | TV |
| VERSION: | v3 |
| SUMMARY: | Offers bi-directional IR remote control emulation for Loewe LCD TVs via serial communication. |
| GENERAL NOTES: | - |
| CRESTRON HARDWARE REQUIRED: | 3-series processor |
| SETUP OF CRESTRON HARDWARE: | Serial connection to Loewe LCD TV established. |
| VENDOR FIRMWARE: | Tested with: Loewe Chassis SL3xx V4.1.0 |

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| CONTROL: | | |
|---|---|---|
| Rx | S | Connect to [rx$] of serial interface. |
| | | |
| [Enable_IR] | D | Pulse to enable control via the Loewe remote control device supplied with the TV. |
| [Disable IR] | D | Pulse to disable control via the Loewe remote control device supplied with the TV. |
| | | |
| [Feedback_On] | D | Pulse to activate all the *_Fb feedback signals. |
| [Feedback_Off] | D | Pulse to de-activate all the *_Fb feedback signals. |
| | | |
| [Mute] | D | Pulse to toggle the mute status. |
| [TV_on/off] | D | Pulse to toggle the TV on/off. |
| [TV_on] | D | Pulse to switch on the TV. |
| [TV_off] | D | Pulse to switch off the TV. |
| | | |
| [TV_Mode_On] | D | Pulse to select the mode "tv". |
| [Radio_Mode_On] | D | Pulse to select the mode "radio". |
| | | |
| [Rec_Menu] | D | Pulse to open the recording menu. |
| [Format] | D | Pulse to select the favorites. |
| | | |
| [Key_0] | D | Pulse/Hold to simulate a press of the "0"-button. |

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| **CONTROL:** | | |
|---|---|---|
| **[Key_1]** | D | Pulse/Hold to simulate a press of the "1"-button. |
| **[Key_2]** | D | Pulse/Hold to simulate a press of the "2"-button. |
| **[Key_3]** | D | Pulse/Hold to simulate a press of the "3"-button. |
| **[Key_4]** | D | Pulse/Hold to simulate a press of the "4"-button. |
| **[Key_5]** | D | Pulse/Hold to simulate a press of the "5"-button. |
| **[Key_6]** | D | Pulse/Hold to simulate a press of the "6"-button. |
| **[Key_7]** | D | Pulse/Hold to simulate a press of the "7"-button. |
| **[Key_8]** | D | Pulse/Hold to simulate a press of the "8"-button. |
| **[Key_9]** | D | Pulse/Hold to simulate a press of the "9"-button. |
| | | |
| **[EPG]** | D | Pulse to simulate a press of the "EPG"-button. |
| **[Assist]** | D | Pulse to simulate a press of the "HOME"-button. |
| **[PIP]** | D | Pulse to simulate a press of the "PIP"-button. |
| **[Teletext]** | D | Pulse to simulate a press of the "TEXT"-button. |
| **[Menu]** | D | Pulse to simulate a press of the "MENU"-button. |
| **[End]** | D | Pulse to simulate a press of the "BACK"-button. |
| **[Info]** | D | Pulse to simulate a press of the "INFO"-button. |
| | | |
| **[Volume_+]** | D | Pulse to simulate a press of the "+V"-button. |
| **[Volume_-]** | D | Pulse to simulate a press of the "-V"-button. |

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| | | |
|---|---|---|
| **[Program_+]** | D | Pulse to simulate a press of the "P+"-button. |
| **[Program_-]** | D | Pulse to simulate a press of the "P-"-button. |
| | | |
| **[Up]** | D | Pulse to simulate a press of the "Up"-button. |
| **[Down]** | D | Pulse to simulate a press of the "Down"-button. |
| **[Left]** | D | Pulse to simulate a press of the "Left"-button. |
| **[Right]** | D | Pulse to simulate a press of the "Right"-button. |
| **[OK]** | D | Pulse to simulate a press of the "OK"-button. |
| | | |
| **[Red]** | D | Pulse to simulate a press of the "red"-button. |
| **[Green]** | D | Pulse to simulate a press of the "green"-button. |
| **[Yellow]** | D | Pulse to simulate a press of the "yellow"-button. |
| **[Blue]** | D | Pulse to simulate a press of the "blue"-button. |
| | | |
| **[AV1]** | D | Pulse to select AV1. |
| **[AVS]** | D | Pulse to select AVS. |
| **[VGA]** | D | Pulse to select VGA. |
| **[HDMI1]** | D | Pulse to select HDMI1. |
| **[HDMI2]** | D | Pulse to select HDMI2. |

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|---|---|---|
| [HDMI3] | D | Pulse to select HDMI3. |
| [HDMI4] | D | Pulse to select HDMI4. |
| | | |
| [HDR_Pause] | D | Pulse to simulate a press of the "HDR Pause"-button. |
| [HDR_Rewind] | D | Pulse to simulate a press of the "HDR Rewind"-button. |
| [HDR_Fast_forward] | D | Pulse to simulate a press of the "HDR Fast forward"-button. |
| [HDR_Play] | D | Pulse to simulate a press of the "HDR Play"-button. |
| [HDR_Stop] | D | Pulse to simulate a press of the "HDR Stop"-button. |
| [HDR_Record] | D | Pulse to simulate a press of the "HDR Record"-button. |
| | | |
| [Web] | D | Pulse to simulate a press of the "Web"-button. |

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| | | |
|---|---|---|
| **Tx** | S | Connect to [tx$] of serial interface. |
| | | |
| **[Mute_Fb]** | D | High: Indicates that "mute" on the Loewe remote control device is pressed. |
| **[TV_on/off_Fb]** | D | High: Indicates that "power on/off" on the Loewe remote control device is pressed. |
| **[TV_on_Fb]** | D | High: Indicates that "power on" on the Loewe remote control device is pressed. |
| **[TV_off_Fb]** | D | High: Indicates that "power off" on the Loewe remote control device is pressed. |
| | | |
| **[TV_Mode_On_Fb]** | D | High: Indicates that "tv" on the Loewe remote control device is pressed. |
| **[Radio_Mode_On_Fb]** | D | High: Indicates that "radio"/"audio" on the Loewe remote control device is pressed. |
| | | |
| **[Rec_Menu_Fb]** | D | High: Indicates that "DR+" on the Loewe remote control device is pressed. |
| **[Format_Fb]** | D | High: Indicates that "*" on the Loewe remote control device is pressed. |
| | | |
| **[Key_0_Fb]** | D | High: Indicates that "0" on the Loewe remote control device is pressed. |
| **[Key_1_Fb]** | D | High: Indicates that "1" on the Loewe remote control device is pressed. |
| **[Key_2_Fb]** | D | High: Indicates that "2" on the Loewe remote control device is pressed. |
| **[Key_3_Fb]** | D | High: Indicates that "3" on the Loewe remote control device is pressed. |
| **[Key_4_Fb]** | D | High: Indicates that "4" on the Loewe remote control device is pressed. |
| **[Key_5_Fb]** | D | High: Indicates that "5" on the Loewe remote control device is pressed. |
| **[Key_6_Fb]** | D | High: Indicates that "6" on the Loewe remote control device is pressed. |
| **[Key_7_Fb]** | D | High: Indicates that "7" on the Loewe remote control device is pressed. |

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|---|---|---|
| [Key_8_Fb] | D | High: Indicates that "8" on the Loewe remote control device is pressed. |
| [Key_9_Fb] | D | High: Indicates that "9" on the Loewe remote control device is pressed. |
| | | |
| [EPG_Fb] | D | High: Indicates that "EPG" on the Loewe remote control device is pressed. |
| [Assist_Fb] | D | High: Indicates that "HOME" on the Loewe remote control device is pressed. |
| [PIP_Fb] | D | High: Indicates that "PIP" on the Loewe remote control device is pressed. |
| [Teletext_Fb] | D | High: Indicates that "TEXT" on the Loewe remote control device is pressed. |
| [Menu_Fb] | D | High: Indicates that "MENU" on the Loewe remote control device is pressed. |
| [End_Fb] | D | High: Indicates that "BACK" on the Loewe remote control device is pressed. |
| [Info_Fb] | D | High: Indicates that "INFO" on the Loewe remote control device is pressed. |
| | | |
| [Volume_+_Fb] | D | High: Indicates that "+V" on the Loewe remote control device is pressed. |
| [Volume_-_Fb] | D | High: Indicates that "V-" on the Loewe remote control device is pressed. |
| | | |
| [Program_+_Fb] | D | High: Indicates that "P+" on the Loewe remote control device is pressed. |
| [Program_-_Fb] | D | High: Indicates that "P-" on the Loewe remote control device is pressed. |
| | | |
| [Up_Fb] | D | High: Indicates that "Up" on the Loewe remote control device is pressed. |
| [Down_Fb] | D | High: Indicates that "Down" on the Loewe remote control device is pressed. |
| [Left_Fb] | D | High: Indicates that "Left" on the Loewe remote control device is pressed. |
| [Right_Fb] | D | High: Indicates that "Right" on the Loewe remote control device is pressed. |

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| | | |
|---|---|---|
| [OK_Fb] | D | High: Indicates that "OK" on the Loewe remote control device is pressed. |
| | | |
| [Red_Fb] | D | High: Indicates that "Red" on the Loewe remote control device is pressed. |
| [Green_Fb] | D | High: Indicates that "Green" on the Loewe remote control device is pressed. |
| [Yellow_Fb] | D | High: Indicates that "Yellow" on the Loewe remote control device is pressed. |
| [Blue_Fb] | D | High: Indicates that "Blue" on the Loewe remote control device is pressed. |
| | | |
| [AV1_Fb] | D | High: Indicates that "AV1" is selected. |
| [AVS_Fb] | D | High: Indicates that "AVS" is selected. |
| [VGA_Fb] | D | High: Indicates that "VGA" is selected. |
| [HDMI1_Fb] | D | High: Indicates that "HDMI1" is selected. |
| [HDMI2_Fb] | D | High: Indicates that "HDMI2" is selected. |
| [HDMI3_Fb] | D | High: Indicates that "HDMI3" is selected. |
| [HDMI4_Fb] | D | High: Indicates that "HDMI4" is selected. |
| | | |
| [HDR_Pause_Fb] | D | High: Indicates that "HDR Pause" on the Loewe remote control device is pressed. |
| [HDR_Rewind_Fb] | D | High: Indicates that "HDR Rewind" on the Loewe remote control device is pressed. |
| [HDR_Fast_forward_Fb] | D | High: Indicates that "HDR f.f." on the Loewe remote control device is pressed. |
| [HDR_Play_Fb] | D | High: Indicates that "HDR Play" on the Loewe remote control device is pressed. |
| [HDR_Stop_Fb] | D | High: Indicates that "HDR Stop" on the Loewe remote control device is pressed. |
| [HDR_Record_Fb] | D | High: Indicates that "HDR Record" on the Loewe remote control device is pressed. |

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|---|---|---|
| | | |
| [Web_Fb] | D | High: Indicates that "web" on the Loewe remote control device is pressed. |
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| PARAMETERS: | | |
|---|---|---|
| - | - | - |
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| TESTING: | |
|---|---|
| **OPS USED FOR TESTING:** | MC3: 1.501.0013 |
| **SIMPL WINDOWS USED FOR TESTING:** | 4.03.20 |
| **CRESTRON DB USED FOR TESTING:** | 54.05.005.00 |
| **DEVICE DB USED FOR TESTING:** | 72.00.001.00 |
| **SAMPLE PROGRAM:** | Loewe_Demo.smw |

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