



# LS Family IP Driver Control IR Commands

## IP Control

KEF's LS family of wireless, digital music systems can be integrated into the most common home automation control systems via our custom-developed control driver applications. These drivers can be downloaded as follows:

- Control 4:** [https://www.intrinsicdev.co.uk/downloads/kef\\_ls50w\\_c4/](https://www.intrinsicdev.co.uk/downloads/kef_ls50w_c4/)  
**Crestron:** <https://www.intrinsicdev.co.uk/downloads/kef-ls50w-for-crestron/>  
**Elan:** [https://www.intrinsicdev.co.uk/downloads/kef\\_ls50w\\_elan/](https://www.intrinsicdev.co.uk/downloads/kef_ls50w_elan/)  
**RTi:** <https://www.intrinsicdev.co.uk/downloads/kef-ls50w-for-rti/>  
**SAVANT:** <https://www.intrinsicdev.co.uk/downloads/category/savant/media-savant/>

For support and information on these drivers please contact our development partner Intrinsic(DEV) directly: <https://www.intrinsicdev.co.uk/>

Important information for integrators and developers:

- These drivers do not control streaming (handled by the app)
- LSX supports Wake On LAN (WOL)
- LS50 supports WOL from serial number LS50W13074K24L/R2G inclusive.
  1. Users of units prior to that serial number who wish to avoid powering on the LS50 Wireless separately from their home automation system will need to disable sleep mode on the LS50 Wireless

## IR Control

The LS family of wireless products are also compatible with common universal remote controls. LS remote codes are available in the URC and Logitech databases and are factory embedded in Harmony Series remotes among others. Consult your remote control manufacturer's database. Page two of this document contains the short form IR commands.

- IR (Infrared) Discrete Commands are available for all LSX systems and all LS50 Wireless systems manufactured after serial number **06256J33**
- Long form hex codes for IR are available from KEF Support.

## NEC Codes

Action	NEC Code
Power	0x40
Source Selection	0x58
Volume Up	0x60
Volume Down	0xA0
Mute	0x20
Play/Pause	0x18
Next Track	0x52
Previous Track	0xD2

## IR Discrete Commands

CMD	Function
1	Power On/Off
2	Mute/Unmute
3	Play/Pause
4	Next Track
5	Source (Toggle)
6	Volume +
7	Volume -
8	Previous Track
9	Power On
10	Power Off
11	Mute
12	Unmute
13	Source: Wi-Fi
14	Source: Bluetooth
15	Bluetooth Pairing
16	Source: AUX
17	Source: Optical
18	Source: USB
19	Preset Volume = 30% (All Sources)

## IR Toggle Commands\*

CMD	Function
1	Power On/Off
2	Mute/Unmute
3	Play/Pause
4	Next Track
5	Source (Toggle)
6	Volume +
7	Volume -
8	Previous Track

\* For units manufactured prior to serial number **06256J33**