

## Parameters

Electrical Parameter :	
Range of carrier wave frequency	38KHz±20%
USB	2.0, no need driver
Environmental Condition :	
Working temperature	-5°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Approved	
CE	
RoHS	
Product Information:	
Dimensions	98×70×38(mm)
Weight	179.7g
Housing material	ABS
Installation	USB 2.0 interface
Protection degree	IP20

## Important Notes

- Connect to PC by USB
- When it is learning the infrared code, make sure the remote control has pointed to the IR learner, and the distance is about 3 cm
- Supports windows XP and Win7, Win8 system

## Overview

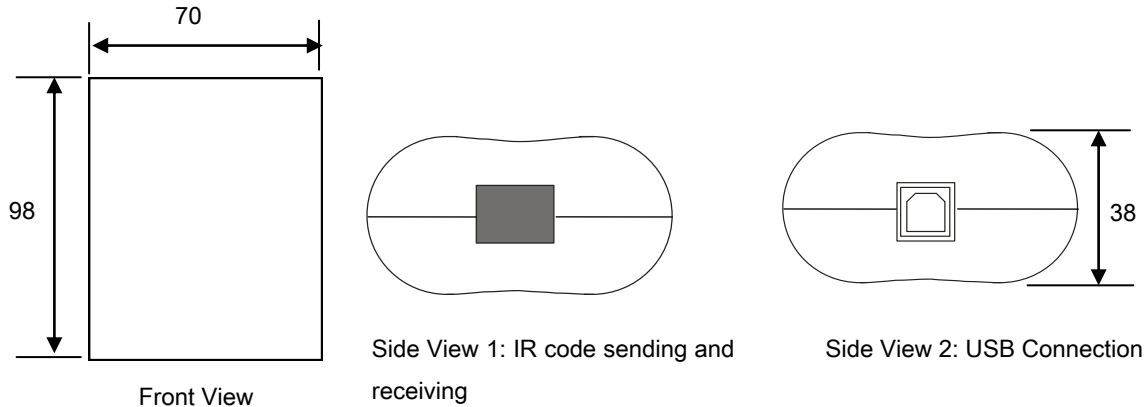


**SB-IR-Learn.01** is the Infrared Code learner. It can learn various key commands. For example, you want to control the AC, TV, DVD, Audio & Video Device, etc. IR learner can be learned into HDL BUSPRO Pro system. It has the testing mode and it do not need the extra driver.


## Functions

- USB Interface, no driver and easy to use
- Infrared Code learning
- Infrared Code sending test
- Indicator will flash when the device is learning the IR Code

## Dimensions and Wiring



### Infrared Code Learner Sending Test

The IR Learner has specified USB Cable. Make sure the cable connects to IR learner and PC and the red indicator will be turned on if everything works properly. After that, the IR learner can be recognized by the "HDL Buspro Set up Tool", then you can find the IR Code Learner icon in the menu, click the icon , it will show the interface of programming.

The Remote points to the IR Code Learner, shown as right. From the HDL Buspro set up tool, click "Learn IR Code", the blue indicator will be turned on and then press the key button on the remote, the blue indicator will be turned off automatically. It means the IR Code learning has finished completely. Click and show the IR Code and make sure the code is successful. At this time, you can test the code if it can be used to control the IR Device.



## Safety Precautions



- The screw down torque should not exceed 0.1Nm
- Do not let the module come into contact with hazardous liquids or corrosive gases.

## Package contents

- |                               |    |
|-------------------------------|----|
| ■ Datasheet                   | ×1 |
| ■ IR Learner (SB-IR-Learn.01) | ×1 |