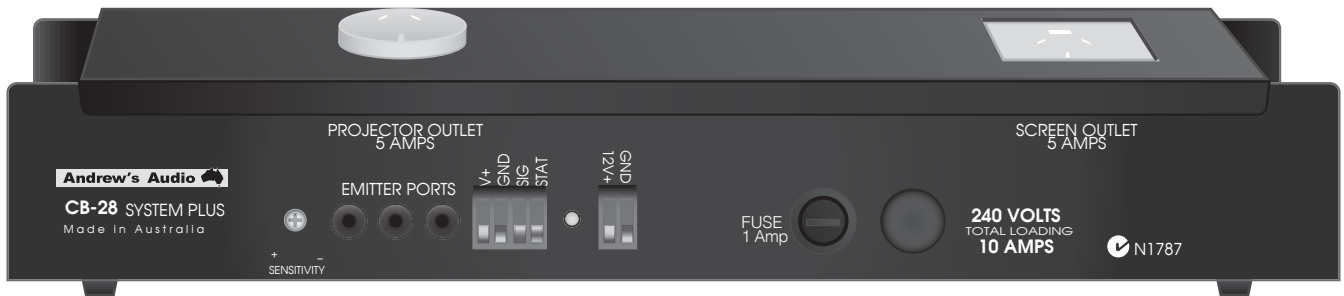




## CB-28 SYSTEM PLUS

Universal Screen Trigger



### CB-28 SETUP

The Andrew's Audio CB-28 Universal Screen Trigger has become a very successful product. No matter what projector you use, the CB-28 can directly operate most projector screens or lifts with a 240-Volt motor. The CB-28 can be triggered either via 12 volt input or current sensing. As most projectors these days don't have 12 volt outputs, current sensing has proven to be the most commonly used method.

To ensure the CB-28 operates reliably in current sensing mode, it is very important that the sensitivity is correctly set. Here are a few tips that will make it a little easier for you.

*IMPORTANT* - Wait until you have set the sensitivity on the CB-28 and have thoroughly tested it before you plug in the screen or lift. This will prevent the motor from overheating.

1. Turn the sensitivity adjustment on the CB-28 to the minimum setting by turning the pot fully clockwise.
2. Plug the projector into the sensing socket of the CB-28.
3. Turn the projector on and wait a few minutes for it to warm up.
4. If the CB-28 triggers (LED comes on) then setup is completed

If the CB-28 does not trigger at this stage,

1. Slowly increase the sensitivity by turning the pot counter-clockwise until the CB-28 triggers.
2. Wait a few seconds to make sure everything is stable then turn the projector off
3. Make sure the CB-28 turns off. On some projectors you may need to wait until the fan cuts out as well.
4. After an appropriate time turn the projector on, wait till it stabilises then turn it back off again to check that the CB-28 has correctly triggered. Fine tune as necessary
5. **Last step**, plug the motorized screen or lift into the four-way socket on the CB-28 and do a final test.

The real trick is not to get the sensitivity too finely adjusted. If you try to really fine tune the CB-28 you can end up with a situation where the screen develops a mind of its own and starts to go up and down at random. If anything, try not to set the CB-28 to be too sensitive. And remember to give the projector plenty of time to warm up.



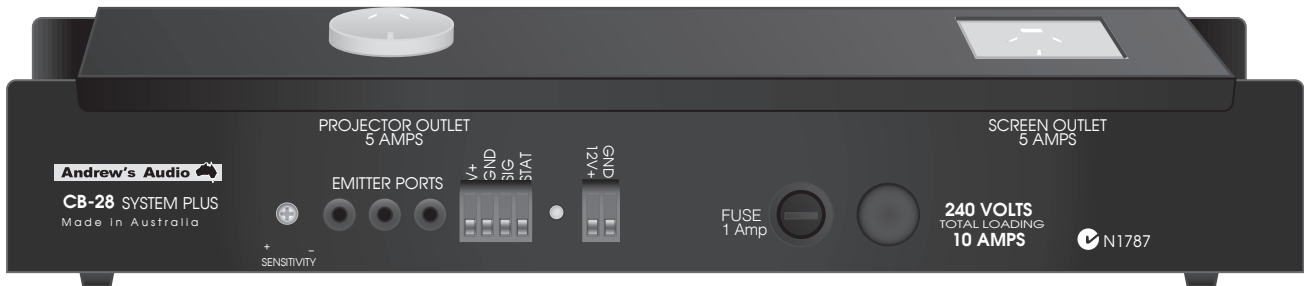
**CAUTION: Adjust Trim Pots with care!**



# Andrew's Audio



## CB-28 SYSTEM PLUS Universal Screen Trigger



Thank you for purchasing  
the Andrew's Audio CB-28!

The CB-28 is part of the Andrew's Audio SYSTEM PLUS range. It performs four functions.

### 1. A CONNECTING BLOCK FOR A MULTI-ROOM INFRARED RELAY SYSTEM.

The four pin plug and socket is the input connection for the IR receivers.

- V+ 12 Volt Power Output RED
- GND Negative Ground GREEN
- SIG IR Signal BLUE
- STAT System Power Status WHITE

Up to ten infrared receivers can be connected to it. When connected to Andrew's Audio IR-4 "DATA CABLE" runs of up to 1 Kilometre can be used. Three 3.5mm emitter ports are provided. Andrew's Audio EM-1 Mini-Emitters or EM-2 Double Emitters can be used to connect to the infrared sensors on the infrared controllable components.

### 2. SYSTEM PLUS STATUS INDICATOR.

SYSTEM PLUS is designed to work with Andrew's Audio infrared receivers supplied with an LED indicator to indicate the projectors power ON/OFF status. There is also a power indicator light fitted to the CB-28.

### 3. PROJECTION SCREEN TRIGGER

The projector controlling the screen simply plugs into the 3-pin mains socket. The four conductor cable from the screen motor is wired into the supplied 4-pin mains plug according to the supplied diagram and then plugged into the screen outlet socket. Care needs to be taken that the sensitivity is correctly set. To adjust, set the sensitivity control to minimum (clockwise). Turn on the projector and leave switched on for fifteen minutes to warm up. Increase the sensitivity slowly until the status light comes on and the screen lowers. Turn the projector off and the screen should rise. If correctly set, the screen will rise when the projector lamp is extinguished even though the cooling fan may continue to operate.

### 4. 12-VOLT OVERRIDE.

Projectors with 12-Volt trigger outputs can be directly wired to the 12-volt trigger input, bypassing the current sensing circuit in the CB-28. If an override switch is required then simply wire the switch contacts between the V+ pin of the IR connection socket (4-way) and the 12V+ of the trigger input socket (2-way). FUSE 1 AMP

The fuse supplied is a 1 Amp fuse to protect the electrical circuit. If the fuse blows repeatedly, the CB-28 should be returned to your dealer for repair.

*NOTE: THERE ARE NO SERVICEABLE COMPONENTS INSIDE.*

### SPECIFICATIONS

Voltage: 240 Volts 10 Amps (5 Amps per Socket)

Inputs:

- Infrared: 1 Input for up to 10 infrared receivers
- Trigger: 5-15Volts DC 10mAmps

**CAUTION: Adjust Trim Pots with care!**

Outputs:

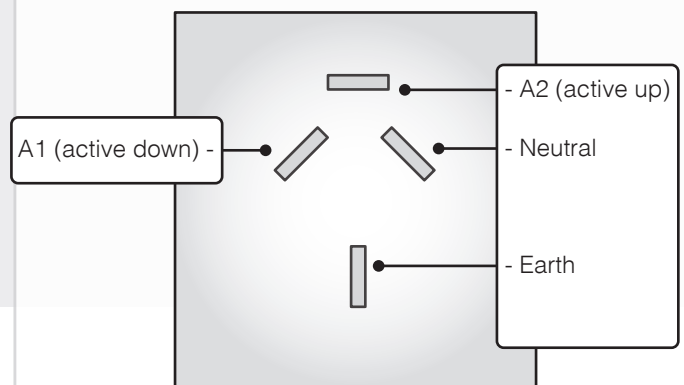
Power 240V:

- 1 Projector Socket 5 Amps
- 1 Screen Output 5 Amps (4 pin HPM socket)

Infrared: 3 Emitter ports

Fuse: 1 Amp

Sensitivity: Minimum 50 watt on current



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