

Left and Right Master

Installation Overview:

The SC-12 Master(s) are the user's interface for controlling the striping operation. A SC-12 Master MUST be properly installed to use the Skip-Line SC-12 system.

Recommended location:

On a vehicle with a rear operator cab, the SC-12 Masters are usually located at each operator station. It is important that each SC-12 Master is easily accessible while monitoring the application. Many operators will find that frequency of use teaches switch location. It is best to mount the SC-12 Master in a location that allows the operator to keep their eyes on the road.

Designation:

SC-12 Masters are designated Left or Right. While these designations are changeable (see SC-12 Manual), we recommend they be installed according to designation at time of shipping. To find this designation, refer to the sticker on the bottom side of the unit (the 7.38" x 2.64" side facing the floor)

Mounting:

The optimal viewing angle for the SC-12 Master display is straight-on or from the bottom up. Skip-Line recommends the SC-12 Masters be mounted in a manner that can be "tilted" so the top of the unit is further away from the operator than the bottom of the unit.

The SC-12 Masters have nutserts on either side of the unit (to the left and to the right of the front panel). These nutserts should be utilized so the SC-12 Masters are tiltable, using a U-shaped bracket or a sealed enclosure if in an open cab.

The nutserts accept a Skip-Line supplied #14-32 Hex Bolt. 3/4" length (12mm x 1.75mm x 20mm)
See example of a sealed enclosure:

Allied Moulded Products

Part# AMP1084CCNL

<https://www.wistextllc.com/amp1084ccnl-allied-moulded-jic-size-junction-box-nonmetallic-snap-latch-hinged-cover.html>

Please mount in a location free from exposure to:

- Water
- Pressure Washing

- Excessive mechanical vibration
- Temperature extremes
- Intermittent, poorly regulated, highly inductive, or noisy power sources

Communications Cabling

The SC-12 Masters gets power and communications from one of the BUS-012 hubs (usually the rear hub, although it does not matter) via a CAT5 cable. Connect the SC-12 Masters to any of the numbered BUS-012 RJ45 jacks (1-8). If properly connected to a BUS-012 hub the large green port light on the BUS-012 hub should be illuminated.

Cabling should use 26AWG (or larger) Cat5 cable and RJ45 connectors. Cat5 cable should not be longer than 5 meters (16.4 feet). The Hubs accept only standard RJ45 plugs. Some of the devices have sealed RJ45 jacks, available from Skip-Line, which will accept either standard or strain-relieved IP-67 rated plugs. See Appendix B of the SC-12 Manual for instructions on RJ45 568-B connector wiring.

Avoid pinch points where the cable may be damaged from moving parts.

Tips:

- Use a continuity tester for all Cat5 cables

Dimensions:

SC-12 Master: 7.38"W x 7.38"H x 2.64"D

Enclosure Used: Hammond 1590FBK

WARNING!!!

Always unplug all CAT-5 cables prior to any welding on the vehicle. Failure to do so may result in severe damage to the unit.