

Split Box

The SB-110-01 Split Box is a one input, six outputs High Frequency signal distributor for the *Close Talk Conference System*.

The primary function is to expand the number of supported Transceiver Units, the distributor input is typically connected to the controller output, multiplying the possible number of Transceiver Units by six, and the outputs are connected to the Transceiver Units.

Another important use is to reduce the total cable lengths needed for an installation. The Split Box is recommended to be placed as close to the Transceiver Units as possible, minimizing their cable segment lengths and making it possible to have only one longer cable running to the controller.

The unit is powered by a double-isolation, ungrounded 12VDC switch mode power supply that provides superior reliability and safety. World-power input range ensures easy installation. Power switching is done automatically using a status signal from the controller, when the controller shuts down, all Split Boxes and Transceiver Units are switched off.

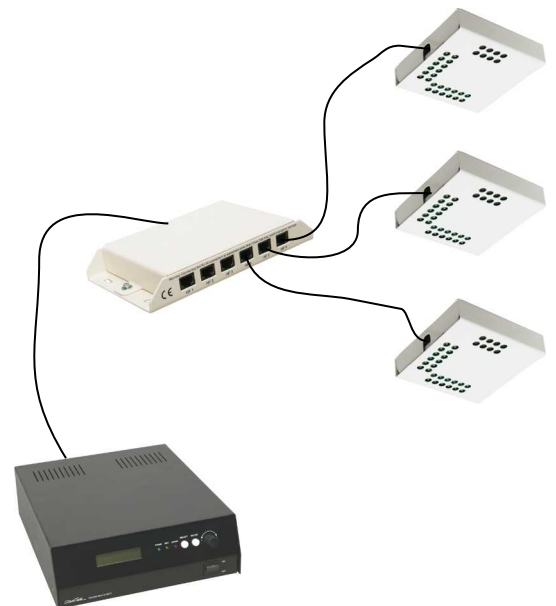
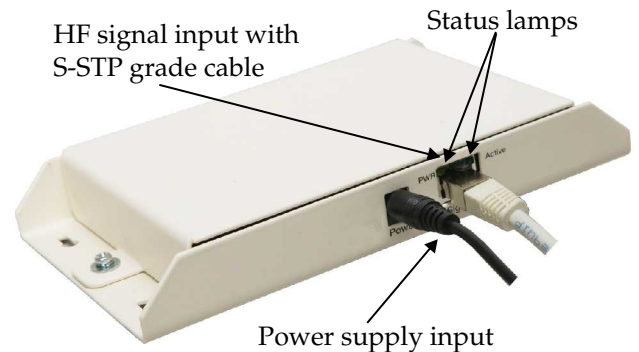
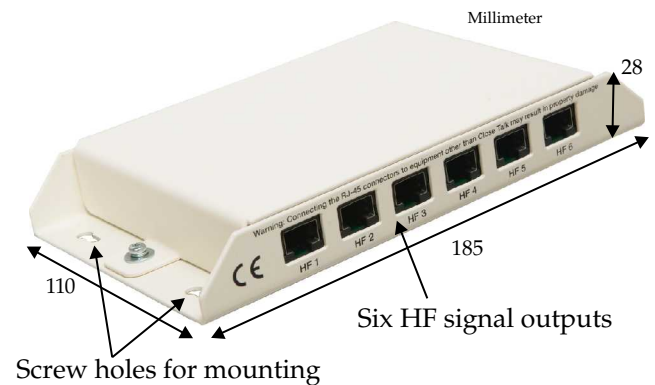
Split Boxes may be daisy-chained in a tree fashion for even greater support of Transceiver Units or to reduce total cable lengths even more.

Sturdy steel case with four screw fastening.

Low power consumption produces less heat for easy and safe mounting.

Connectors are quick-connect RJ-45 for fast and trouble-free installation.

Status lamps shows power input and on/off state.



Technical Data

Power:

- 11-13VDC operation, 12VDC nominal
- World-power range 100-240VAC input power supply
- Power consumption 6W (no transceivers connected)
- Power supply supports up to six directly connected Transceiver Units (type dependent)
- Automatic power switching using signal from controller

Capabilities:

- One input port, six output ports distributor
- Input can be connected to controller or daisy-chained with other Split Boxes
- Outputs can be connected directly to Transceiver Units or daisy-chained with other Split Boxes

Physical:

- Size 185x110x28mm (wxdxh)
- Weight approx. 0.7kg
- White steel case
- Four screw fastening
- To avoid excessive safety ground loop currents, do not connect case to or mount on a grounded surface. Do not use a safety grounded power supply

Environment:

- Indoor home or office use only
- Temperature +10-35 deg. celsius
- Recycle case and contents according to local laws and regulations
- Clean using soap-water damped cloth only

Approvals:

- CE approval

Tender Specification

The Split Box is to comply with all relevant CE regulations.

The unit shall have one High Frequency signal input and automatically distribute all system signalling to six individual outputs without configuration or user assistance.

The six outputs shall be able to handle one Infra-Red transceiver unit or be able to connect to another Split Box for expansion purposes.

The unit is to be powered by a safe, low level, direct current voltage using an external power converter with world-power input range (100-240VAC).

Unit power shall be controlled automatically by the system controller.

The unit self heating shall be low enough for safe mounting without special cooling arrangements.

The unit case shall be of steel, white colour and have a four screw mounting method.

Split Box model Close Talk, type SB-110-01 or equivalent.