

# Switcher Unit SU-110-01

## Special Usage as Relay Switch

The *SU-110-01* Switcher Unit is designed for automatic switching between two physically adjacent systems, e.g. a room with a removable divider wall, where the systems need to be used as two individual systems in separate rooms and as one system in both rooms with very little setup time.

The *SU-110-01* can also be used as a system relay switch using an external control voltage. The connection diagram below shows how to connect such a system.

One Central Unit is required which is connected to the *SU-110-01 Central Unit One* input. The main part of the system, i.e. the area that will always be used, is connected to the *SU-110-01 System One* output. Although it is possible to connect one Transceiver Unit directly to the Switcher Unit, it is recommended to use a Split Box to connect the transceivers. The area that is supposed to be controlled is connected to the *SU-110-01 System Two* output again using a Split Box to connect the transceivers.

The *SU-110-01 Central Unit Two* input is used as relay control port using a special Close Talk adapter cable. Controlling the switch is used by applying 0VDC or +11-13VDC where 0VDC means both systems active and +12VDC means system two is inactive. When applying +12VDC the current requirement can be as high as 0.5ADC (Split Boxes connected). When the Central Unit is switched off the *SU-110-01 Central Unit Two* input should be 0VDC. The switcher controller system should be on the same safety ground as the Central Unit to avoid ground loops.

