

# Secure Remote Adapter

Model SRA-105



The SRA-105 extends the connection between a ANDVT terminal (KY-99 MINTERM or a KY-100 AIRTERM) and a PSC-5D radio transceiver over a communications link composed of a satellite hop, a copper cable or a fiber optic cable (RS-422/ 530 interface). The SRA-105 supports all three modes of KY-99/ 100 operation - plain text (PT) analog, wideband (WB) and narrowband (NB). In a typical application, the SRA-105 at each end of the link converts the PT, WB or NB information received from its supported equipment (i.e., the KY-99/ 100 or the radio) into a common format and transmits it to the far end where it is converted back to its original format (including the extraction of the push-to-talk (PTT) signal). The SRA-105 is automatically configured to support either the KY-99/ 100 or the radio end of a link.



## Physical Characteristics

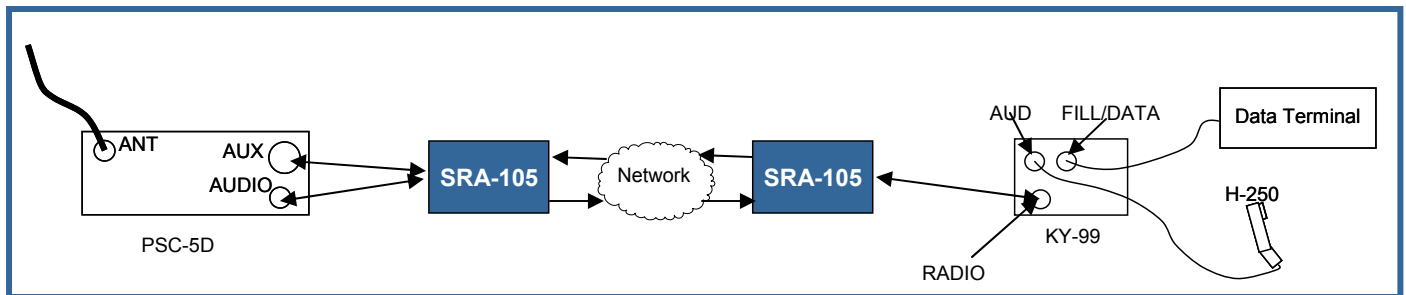
The SRA-105's enclosure occupies 1/3 U rack-mount space. A mounting tray is supplied which allows easy removal and replacement of a unit in a standard equipment rack. The SRA-105 operates from an external +5VDC power supply. In cases where several SRA-105 are used in a single facility, a larger, 1U tray is available as an option which accommodates two SRA-105s and a common AC power supply or three SRA-105s.

## Interfaces

- DB-25(M) connector for cable to KY-99/ 100 or radio transceiver.
- DB-25(F) connector for cable to DTE communications equipment. Interface is in accordance with RS-422/ RS-530 standards.
- Hirose RM12BRD-2PH female jack for DC power. A ground stud (GND) is also provided for chassis grounding.

## Technical Specifications

Operating Temperature:	0 to 40 <sup>0</sup> C
Relative Humidity:	0 to 90% non-condensing
Power:	+5 VDC
Dimensions:	1.70" x 5.65" x 12.50" (HxWxL)
Weight:	2.2 lb (incl. external power supply)



**SRA-105 Concept of Operation**

TELEGRID Technologies, Inc.  
19 Microlab Road  
Livingston, NJ 07039  
(973) 994-4440  
sales@telegrid.com