The TSA-2A1 has two screwdriver adjustable controls that provide independently adjustable levels for the microphone audio (up to 30db gain) and earpiece audio (up to 10db gain). The microphone and earpiece audio are mixed together and combined on the audio output of the TSA-2A1.

Each TSA-2A1 includes an AC power adapter and 18' modular output cable.

RSA-M3 Adapter for mixing two-way radio receive and transmit audio. The RSA-M3 is used to provide an inexpensive method of connecting voice logging recorders to two-way radio base stations and local control points. Input levels are compatible with Motorola Radius series radios or similar. Use the RSA-U5 adapter for radios with weaker audio levels or where microphone audio is present when the radio is not transmitting.

The RSA-M3 combines receive and transmit audio at levels matched to the line input of voice logging recorders. It also provides transformer isolation and RF bypass. Use it to simplify installation when a direct connection to the radio’s receive and transmit audio will be made by a radio service technician. The RSA adapters are not needed when connecting to remote controlled radios (tone, DC, or local).

RSA-U5 Two-way radio adapter with active amplifiers and optically isolated PTT sensing. Similar to RSA-M4, the RSA-U5 has screwdriver adjustable amplifiers to boost weak receiver and transmitter audio levels and a low power optically sensing circuit to mute microphone audio when the radio is not transmitting. Includes AC power adapter.

Receive Audio Input: >1M ohm DC, >10K ohm AC, 0.1 to 1.5 VAC.
Transmit Audio Input: >1M ohm DC, >10K ohm AC, 0.02 to 1 VAC.
Audio Output: RX >10db gain, TX >30db gain, 600 ohm, RJ-11.
Transmitter activity sensing: Between 5 and 16VDC, 1 to 4 ma.
Power: 5VDC, 10mA, AC power adapter.

NOTE: Connections to two-way radios that need to be made inside of the radio, should only be made by a qualified radio service technician.

RSA-2A1 Line level audio mixer: two inputs — one output. Used in applications where audio from two isolated line level sources, such as remote controlled 2-way radio circuits, must be combined into a single audio output. The mixed audio can be fed to the input of a voice logging recorder so that both audio sources will be recorded on a single channel. It provides balanced line-input, transformer isolation, capacitive coupling, and RF bypass. High impedance input circuits permit connection to balanced and unbalanced audio sources with minimal loading. Each channel has an independent audio level adjustment. Includes AC power adapter.

OVER
MOST INSTALLATIONS connect to phone lines and two-way radio audio using standard phone line cables. These cables are available from Omnicron Electronics and local suppliers in various lengths.

MTJ-S2 splitters are used for separating two line RJ-14 jacks and cables to individual RJ-11 phone line jacks.

TSA-3LM adapters are a very popular and inexpensive adapter for recording from most analog and digital phone sets.

Many of the items listed on these pages are used in a small percentage of installations that require more specialized cables, adapters, or accessories.

Check with your supplier to determine what is best for you.

**Phone Line Cables**

Used to connect the modular input jacks on the recorders to various input sources. They have a 4 conductor position RJ-11 jack on each end. Available in packs of four cables — 6' (# TC4-6), 12' (# TC4-12), 18' (# TC4-18), and 24' (# TC4-24).

**T-18** 18' Telephone cable with RJ-11 plugs on both ends with T-Adapter. This multi-purpose cable assembly can be used to connect between two RJ-11 or RJ-14 phone jacks. It is 18’ long and comes with a T adapter. The T-adapter is used when you do not have an extra jack for the connection. It will convert a single phone jack into two parallel jacks.

**T25-EXT** Twenty-five foot phone line extension cable. It has an RJ-11 plug on one end and an RJ-11 jack on the other end. It is used to extend a phone jack or connection.

**T-SC** Cable for remote switch box. Modifies the modular input jack to a remote switch jack. Used to provide an inexpensive method of connecting supervisory monitoring equipment (such as our Total Recall) to a telephone that uses built-in switching between handset and headset jacks. It combines the audio to a single 25’ output so that you will be able to monitor or record conversations from both the handset and headset.

**TRR-B5U** Desktop/Portable housing for rack mount Total Recall Recorders. Table top housing that can be used with the rack mount recorders if they are not installed into a 19” equipment rack. It accommodates the 8.75” x 19” front panel of a TRR recorder and provides 3.75” extra depth to protect the cables exiting the back of the recorder. Sixteen gauge steel with textured black powder coat finish. 11” H x 21” W x 13” D, 16 lb.

**TRR-FIL** Replacement Fan Filters for Total Recall recorders (package of three).

**TR-RDD** Spare Hard Drive for Total Recall recorders. Includes pre-loaded software. Specify recorder model and serial number when ordering.

**MTJ-S2** (above left) Converts a 2-line RJ-14 jack into two separate RJ-11 single line phone jacks. This adapter cable splits a 2-line RJ-14 circuit jack into two RJ-11 jacks (Line-1 and Line-2). Typically used with the RJ-14 input jacks on some Total Recall and TeleCorder recorders from Omnicron.

**MOD-SC** (above right) Converts modular phone cable to mini-plug. The MOD-SC is used when you have a cable with a standard RJ-11 single-line telephone type plug that you need to connect to equipment with a 3.5mm mini-plug jack. It has an RJ-11 jack on one end and a 3.5mm mini-plug on the other end.

**RJ14-S** Two line cable assembly. The RJ14-S is used to separate two line RJ-14 phone jacks (L1+L2) into individual RJ-11 jacks or plugs. It can also be used to combine two phone lines from two separate RJ-11 jacks or cables onto a single RJ-14 plug.

**TSA-CHH** Similar to TSA-3LM. Used to provide an inexpensive method of connecting supervisory monitoring equipment (such as our Total Recall) to a telephone that uses built-in switching between handset and headset jacks. It combines the audio to a single 25’ output so that you will be able to monitor or record conversations from both the handset and headset.

Contact your Omnicron representative for assistance in selecting the proper cables or adapters for your application.

Voice Loggers have been our specialty since 1975.

OMNICRON ELECTRONICS
554 Liberty Highway, U-2 • P.O. Box 623 • Putnam, CT 06260-0623 • (860) 928-0377 • FAX (860) 928-6477

Additional information is also available at: www.omnicronelectronics.com