

PROFESSIONAL GRADE HD DATA SHEET



Professional Grade inLOOP systems have been designed for use in applications where exceptional sound reproduction and signal clarity is imperative. Two generations beyond constant current technology, inLOOP systems are powered by our exclusive state of the art Digital High Efficiency Audio Frequency Induction Amplifier. This leap in technology makes inLOOP uniquely qualified to produce the best quality loop signal in the industry. inLOOP systems provide a more consistent hearing loop field. High efficiency field generation results in lower energy consumption with low operating temperatures. This HD system is designed to work with phased array loop antennas up to 12,000 sq. ft. or with two separate outputs for areas of 6000 sq ft or less.



Professional Grade inLOOP systems can maintain an IEC 60118-4 compliant signal, if installed properly, in facilities less than 12,000 square feet with limited metal in the structure.

inLOOP products are made in the USA.

Some cables, power supplies and electronic components attached to the circuit boards are not available in our country and have to be imported.

Power requirements - 100 - 240 volts AC ~ 50/60Hz 10 amps

Coverage - IEC 60118-4 compliant as tested at 12,000 sq ft with connected metal in 25% of the loop field

Loop output as tested above - 6 amps RMS x 2
29 volts RMS

Inputs - 3 combination 1/4 XLR jacks. Input 3 is switchable for microphone and phantom power.

Output - RCA line level output.

Controls - 3 Individual input volume controls with indicator lights.

Metal Loss (Treble) control.

Dual Loop Output controls with indicator lights in the ADA symbol

Power switch with an indicator light in the T of the ADA symbol

Dimensions - 19' x 10" x 3 1/2" Standard 19" rack 2RU 19 lbs

WARRANTY - This limited lifetime warranty covers the loop amplifier and enclosure. The loop amplifier is warranted to be free of defects in material and workmanship for the life of the product under the following schedule and conditions: The system must be installed by a professional approved by inLOOP with an approved transmission antenna design. If the installer is not on our approved list, the warranty will be reduced to two years. The warranty must be activated on installation by mailing the yellow copy of the completed Certificate of Compliance to the address below. We will provide ground shipping, and repair systems that meet these criteria for six months. We will repair and provide return shipping from six months to twenty-four months. For the remainder of the life of the product we will repair systems that meet these criteria with the customer providing shipping. Cords, cables and power supplies are warranted to be free of defects in material and workmanship for a period of one year. Contact inLOOP at (231) 798-2399 to obtain warranty service. The warranty does not cover damage from misuse, power surges or improper installation.



INSTALLATION AND ADJUSTMENT PROFESSIONAL GRADE HD HEARING LOOP

The design and installation of the transmission antenna in a hearing loop system is critical to proper system performance and signal reproduction. inLOOP provides free training, technical support and design help. Please contact us for design help or approval.

BASIC DESIGN CRITERIA - All designs should be tested and verified before permanent installation.

- * The antenna should have a resistance rating between .5 and 1.5 ohm.
- * Typical height restrictions are from floor level to 3' below, and from 7' to 12' above the floor.
- * The loop wire must completely enclose the listening area.
- * Designs other than square, rectangle or even shapes may produce uneven power levels in the loop field.
- * Metal in the structure will absorb the loop signal, making the loop amplifier work harder and creating possible unacceptable variations in the loop field

STEP 1 - Connect the PRIMARY and SECONDARY loop wires to the LOOP CONNECTION's. The wires can be connected with the screw terminals or banana clips. If the loop field is inconsistent after final adjustments are made in STEP 6, one set of wires need to be reversed to correct the phasing of the arrays.



STEP 2 - Connect up to three male 1/4" or XLR cables into INPUT 1 - 3

STEP 2A - Switch the MIC/LINE switch to the correct selection. Switch on Phantom power if a microphone is connected and needs power from the loop system.

STEP 3 - Connect the power cord that came with this loop system.
STEP 4 - Switch the power on.

STEP 5 - With the facility audio output devices adjusted to normal levels, turn the INPUT knobs clockwise until the LED's are just below activating the top red light.

STEP 6 - Check and adjust PRIMARY LOOP OUTPUT NORMAL position. Mark by turning the knob Return the PRIMARY

the loop field according to the instructions in the Certificate of Compliance. Increase by turning the knob clockwise until the Field Strength Meter registers -12dB in the the location and turn this volume off. Increase the SECONDARY LOOP OUTPUT clockwise until the Field Strength Meter registers -12dB in the NORMAL position. knob to the -12dB position. Make the final volume adjustment by adjusting both LOOP OUTPUT control knobs the same amount.



STEP 7 - The higher frequencies may suffer if there is metal in the structure. This frequency boost can be compensated by increasing the treble. An equalizer can be added in front of the loop system if the loop signal frequencies are still not satisfactory.