

LAN-XI Front Panel for Headphone Test, 2 + 2 channel UA-2118-022

Compatibility with LAN-XI Front Ends

Full compatibility with:

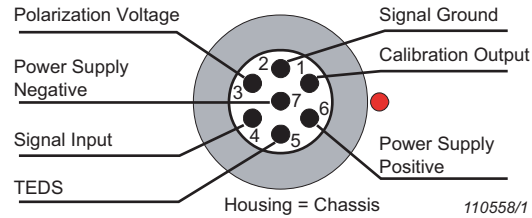
- Type 3160-A-042: Generator, 4/2-ch. Input/Output Module LAN-XI 51.2 kHz

Partial compatibility with:

- Type 3160-A-022: Generator, 2/2-ch. Input/Output Module LAN-XI 51.2 kHz

Pin Configurations

7-pin LEMO connectors, seen from front of panel

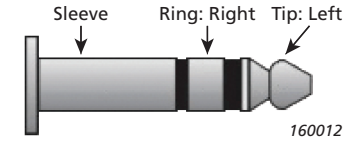


Mating Connector: LEMO 7-pin Male FGG.1B.307.CLAZ31

Stereo Jack Connector

The headphone connector is compatible with standard 6.35 mm (1/4") TRS(F) connectors for stereo jack.

Stereo jack connector



Please note that the serial impedance of a jack connector can be significant, and depends heavily on the build quality of the connector. When including such a connector in the measurement path, the measurements should be compensated for the influence of the added impedance of the connector.



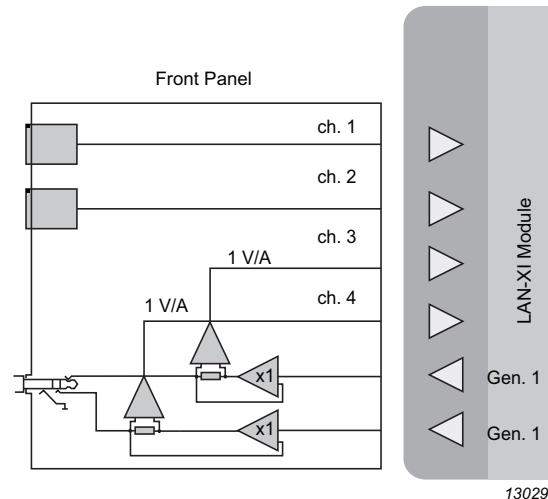
BR 1807-12

Replacing the LAN-XI Front Panel



- 1) Remove the hex wrench from its holder at the top right side of the module.
- 2) Loosen the screw in the hole at the bottom of the front panel (see figure).
- 3) Remove the front panel, bottom first.
- 4) Insert the new panel, top first.
- 5) Tighten the screw.
- 6) Replace the hex wrench in its holder.

Block Diagram



Channels 1 and 2 are for general input.
Channels 3 and 4 are used for measuring the current, which can be used to calculate the load impedance.

Three-position Switch

A three-position switch on the front panel switches the output of Generator 1 between left earphone, both earphones and right earphone.

Distortion (All Harmonics) – Typical Values

	100 mW _{peak}	10 mW _{rms}	Unclipped Output
4 Ω	< -65 dB	< -80 dB	0.65 V _{peak}
8 Ω	< -70 dB	< -90 dB	1.5 V _{peak}
16 Ω	< -75 dB	< -90 dB	2.5 V _{peak}
32 Ω	< -80 dB	< -90 dB	2.5 V _{peak}
unloaded			3.5 V _{peak}

Typical Output Impedance: < 0.05 Ω

With Associated LAN-XI Module



Further Information

For further information on LAN-XI frames, modules and front panels, visit www.bksv.com/lanxi.