

Leads and Signals - Knowledge Organiser

GLOSSARY

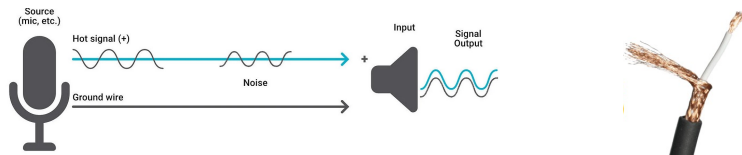
Balanced Connection	A connection with two copies of the signal with opposite polarity (Less interference)
Unbalanced Connection	A connection with one copy of the signal (More interference)
Polarity	The alignment of a waveform in relation to another waveform

TYPES OF CONNECTOR



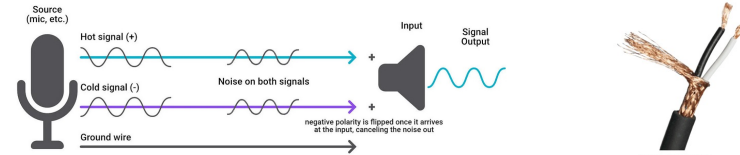
BALANCED AND UNBALANCED CONNECTIONS

Unbalanced



- A single copy of the signal is transmitted along with any noise

Balanced



- The cold signal is a copy of the hot signal and has its polarity inverted when the signals reach their destination, removing any noise present in the process

- Just because a connector is balanced, does not automatically mean the connection will be balanced
- All the points in the cable must be balanced for the connection to be balanced