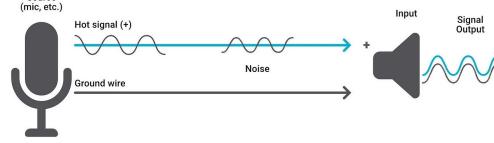
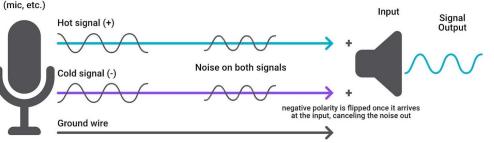


Leads and Signals - Knowledge Organiser

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	
<p>Unbalanced</p> 	<p>Balanced</p> 
<ul style="list-style-type: none"> A single copy of the signal is transmitted along with any noise 	<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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 	