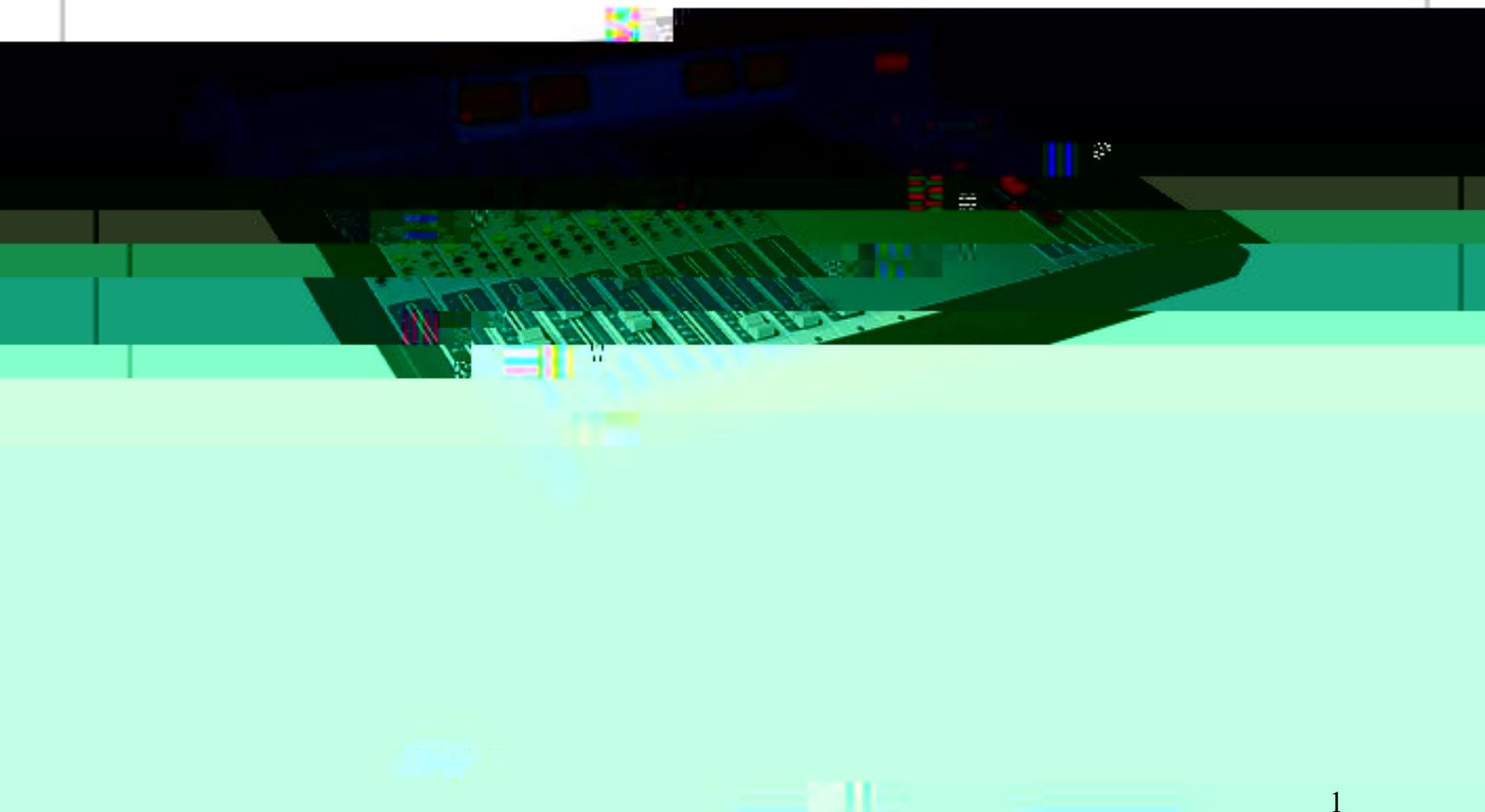




MMS 3000

On Air Broadcast Console



INTRODUCTION

The purpose of this paper is to present a method for the analysis of vibration data from a rotating machine.

The method is based on the use of a Fast Fourier Transform (FFT) algorithm to convert the time-domain data into the frequency domain. This allows for the identification of the dominant frequencies in the vibration signal.

THEORY

The vibration signal is assumed to be a stationary random process. The power spectral density (PSD) is defined as the average power per unit frequency. The PSD is a function of frequency and is used to quantify the magnitude of the vibration at different frequencies.

EXPERIMENTAL RESULTS

The results of the analysis show that the dominant frequencies are in the range of 1000 to 2000 Hz. This is consistent with the expected operating frequencies of the machine.

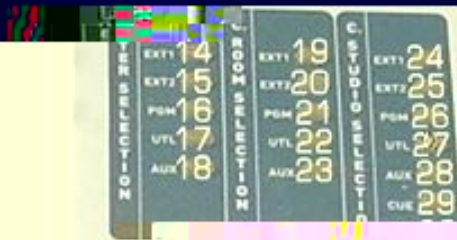


NEV-1000-01

ON
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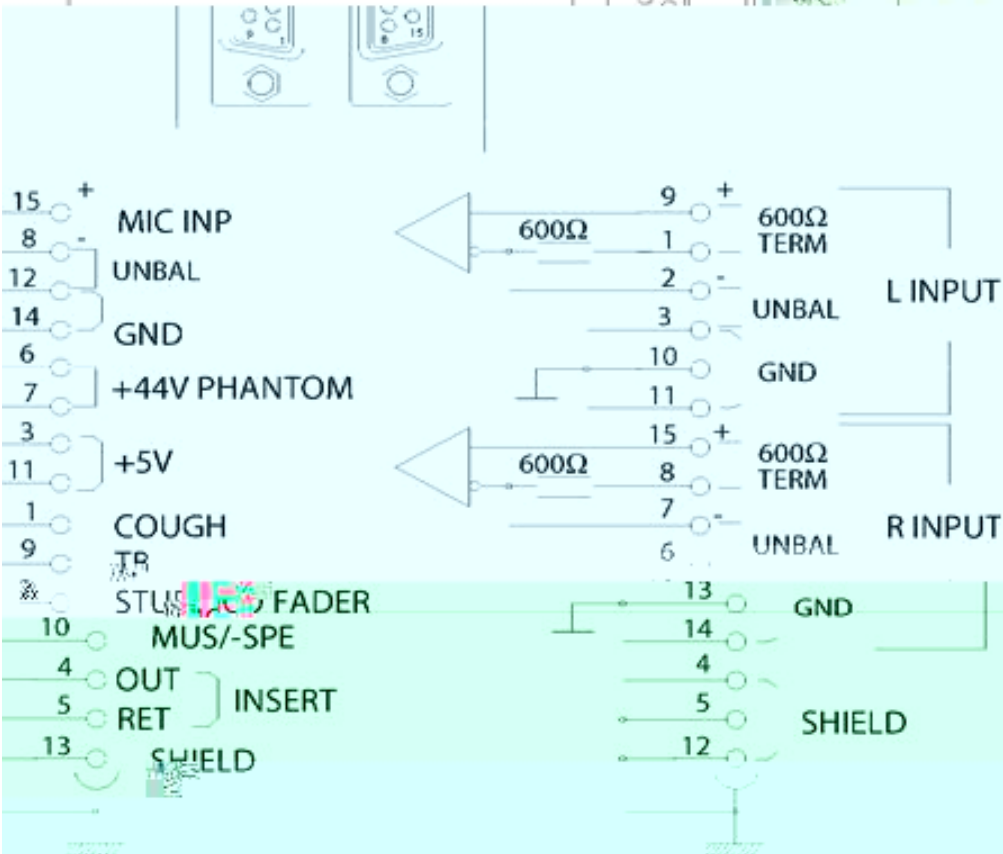
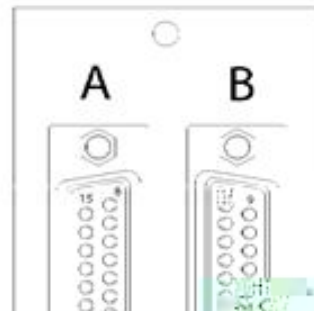
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31 32 33

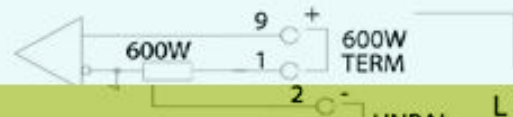
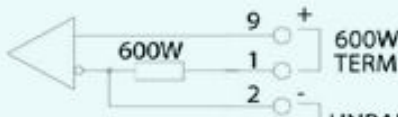
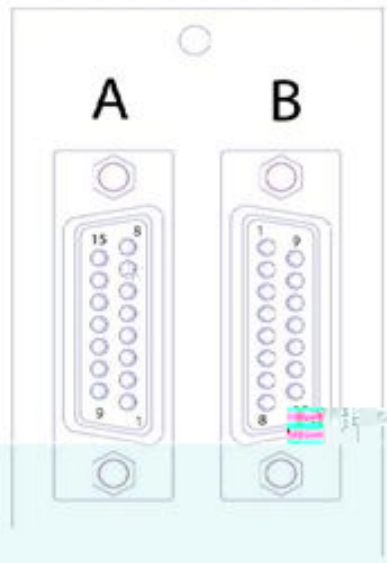
MIC LIN



LIN LIN

A

B



R INPUT

L INPUT

GND

GND

600W 15 + 600W
8 - TERM

600W 15 + 600W
8 - TERM

R INPUT

R INPUT

UNBAL

UNBAL

GND

GND

MUS/-SPE

SHIELD

SHIELD





Balanced with Phantom Power



Insert Out
Insert Return



Balanced without Phantom Power

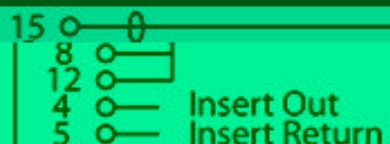
AEV – Audio Engineering Video – Professional Audio Cables

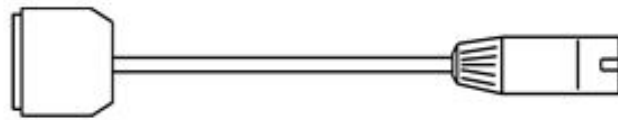
AEV

AEV – Audio Engineering Video – Professional Audio Cables

AEV – Audio Engineering Video – Professional Audio Cables

1-3

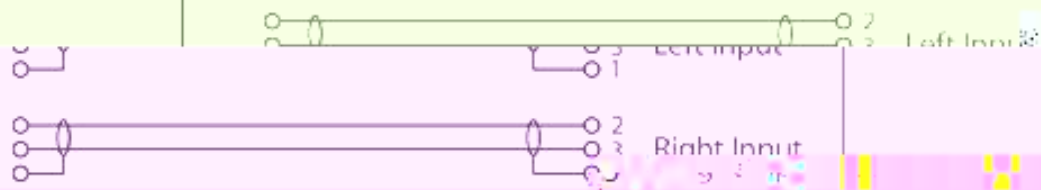




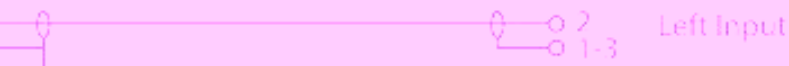
600 ohm Balanced XLR

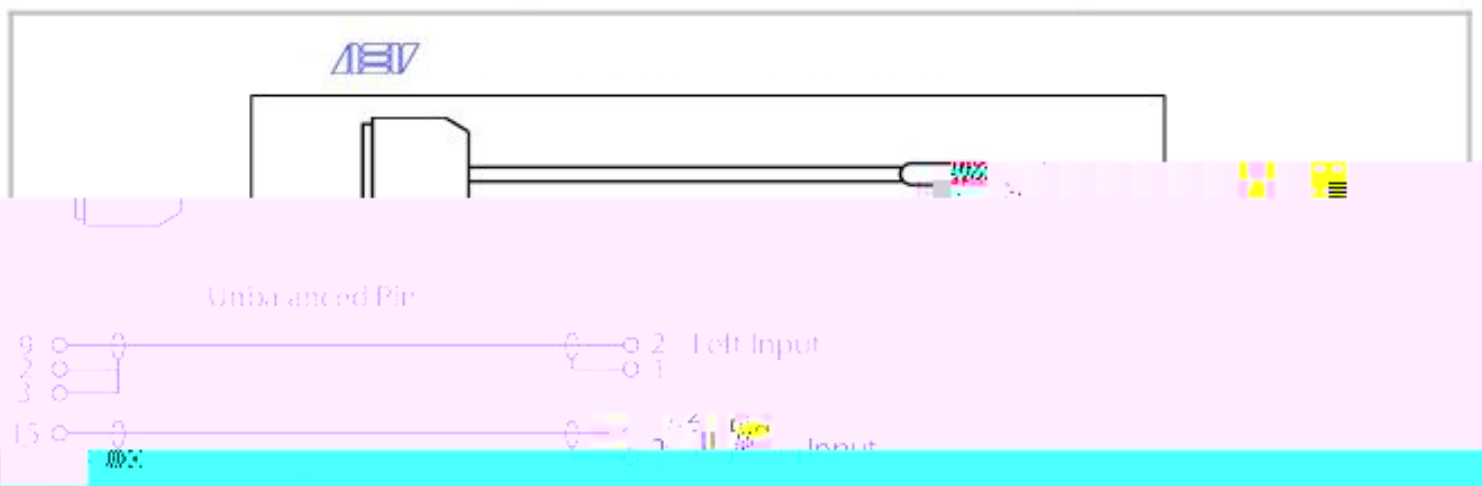


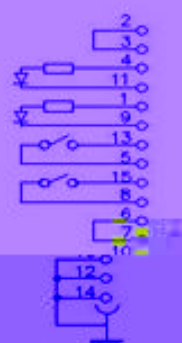
Balanced XLR



Unbalanced XLR

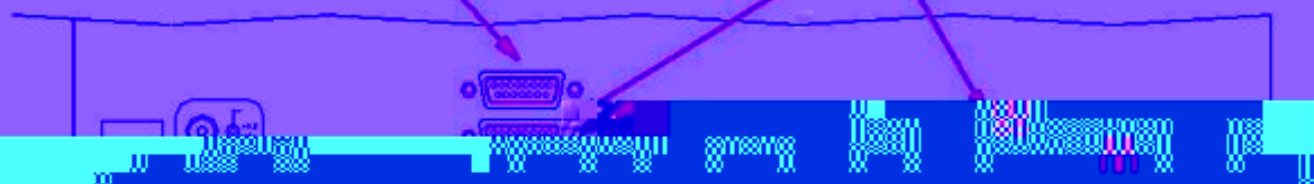




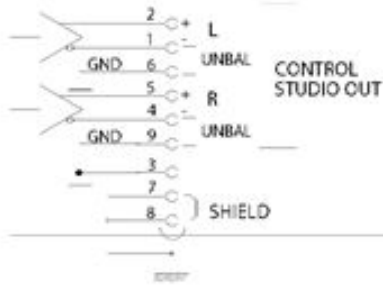


Tally

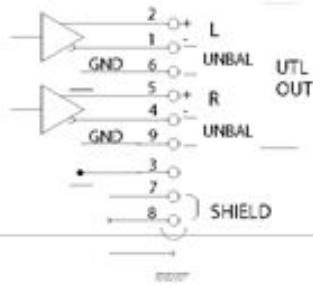
Optional GPI-GPO



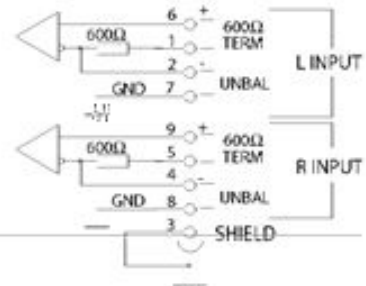
CONTROL STUDIO OUT



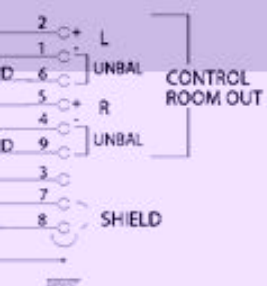
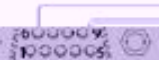
UTL OUT



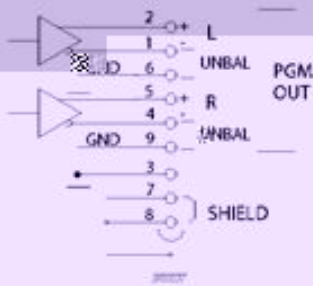
EXT 2 IN



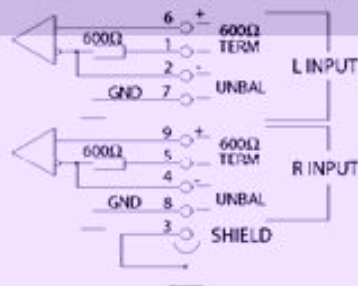
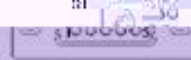
CONTROL ROOM



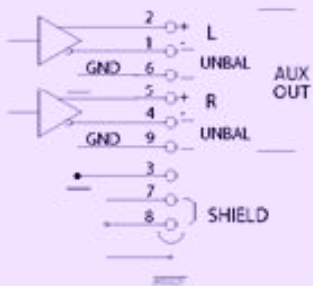
PGM OUT

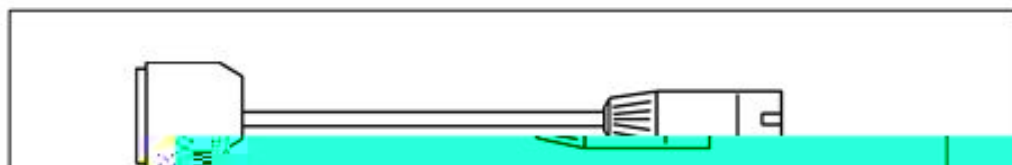


EXT 1 IN

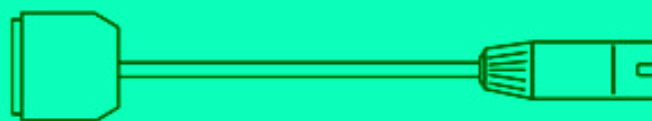
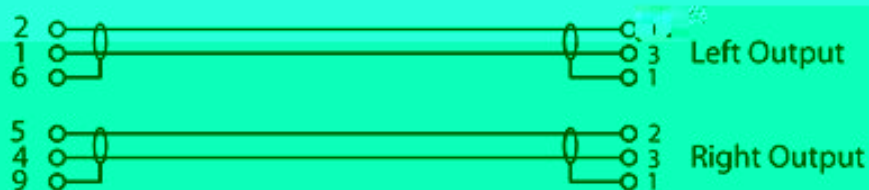


AUX OUT





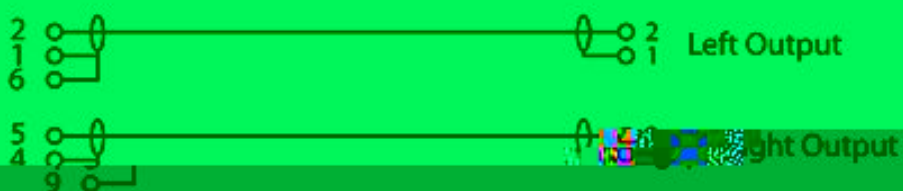
Out Balanced XLR

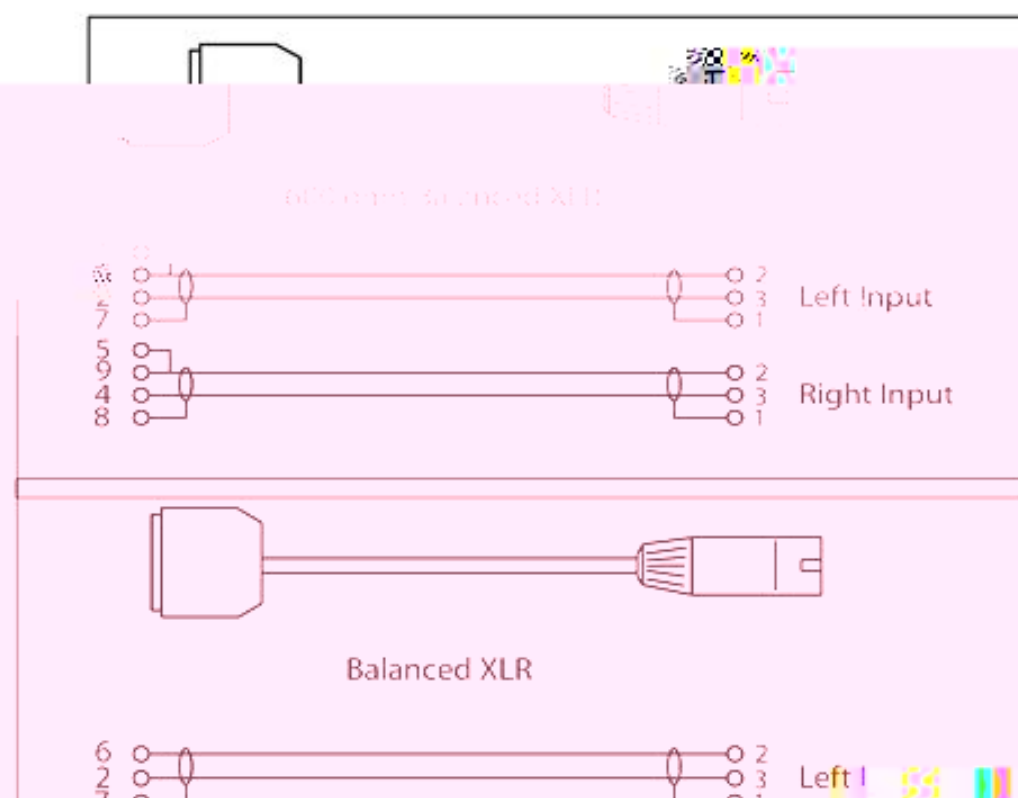


Out Unbalanced XLR



Out Unbalanced Pin





Die Energiekosten werden auf Basis der folgenden Angaben berechnet:

– ∞
 ∞ –

