

Fax: +49 2407 577-99 Email: telecom@head-acoustics.de Web: www.head-acoustics.com

Adapter CUU I

Reverberated part of the signal

DUT

JabBGN

JabBGN

AES

Configuration example, playback of reverberated audio file

• IabCORE (Code 7700), modular multi-channel hardware platform with

 coreBUS (Code 7710), I/O bus mainboard

extension modules:

labCORE output module for direct signal

 coreOUT-Amp2 (Code 7720), power amplifier output module (two channels)

labCORE input module for preparation measurements

coreIN-Mic4 (Code 7730),
 Microphone input module

DATA SHEET

3PASS reverb (Code 6996)

Option for 3PASS *lab* and 3PASS *flex* – Simulation for Reverberation Scenarios

Overview

3PASS reverb is an option for 3PASS lab and 3PASS flex. It extends 3PASS lab / 3PASS flex to simulate reverberation of a single talker at the DUT position. 3PASS reverb supports measurements according to ETSI TS 103 557.

Key features of 3PASS reverb:

- Reproducible simulation of reverberation for arbitrary source signals
- Works with existing and equalized setups from 3PASS lab / 3PASS flex
- Included set of impulse responses from various rooms

Description

3PASS reverb works with an impulse response that has been recorded in a target room. The impulse response describes the acoustic fingerprint of the room. 3PASS reverb simulates the reverberation of the room by applying the impulse response to a source signal. Simultaneously, an artificial head or loud-speaker plays back the source signal via ACQUA without reverberation. Consequently, 3PASS reverb simulates a realistic sound field with the reverberation of a determined room.

Reproduction rooms must comply with ETSI TS 103 557 requirements.

General requirements Software

- 3PASS lab (Code 6990), background noise simulation software and / or
 3PASS flex (Code 6995), background noise simulation software
- ACQUA (Code 6810), Advanced Communication Quality Analysis

Hardware

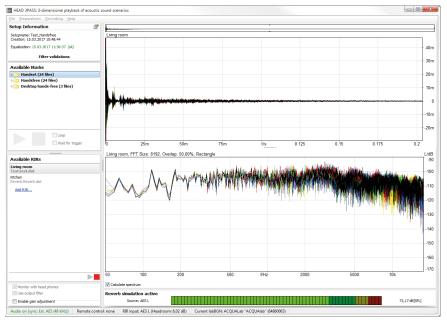
- Hardware for 3PASS lab or 3PASS flex, refer to the respective data sheets
- HMS II.3 (Code 1230), HEAD measurement system

Third party equipment for preparation measurements

 Measurement microphone with LEMO 7-pin connector

Delivery items

- V2C file
- Prepared room impulse responses, background noises, and ACQUA demo database



Waveform and calculated spectrum of an impulse response in 3PASS lab