DYNACORD®
PRO ANNOUNCE™
S Y S T E M

DMM4650
Digital Message Manager

Key Features:

- **Self-monitoring with fault message output**
- **Password protection over several levels**
- **RS-232 interface for data backup and servicing purposes**
- **Integrated service and maintenance program software**
- **Expandable flash-memory**
- **Direct digital recording and reproduction of at least 100 different sound and speech signals.**
- **Maximum recording time up to 16 minutes.**
- **Maximum bandwidth is 16 kHz.**
- **15 acoustical alarm signals and 6 different gong signals**

General Description:

The DMM 4650 is a signal processor, capable of audio recording and playback, as well as, audio signal generation such as alarms. The main application is for PA racks, but stand-alone applications are possible as well. The audio signals can consist of alarm, gong, messages and also random combinations. These programs were created by Dynacord and stored as presets.

The audio quality of the messages can be selected depending on memory extension and different user requirements. With maximum memory extension, a total recording time of 16 minutes is possible.

Password protection is provided. The operation is easy, like cassette recorders or CD players. A computer interface allows saving and loading of unit configurations and message data.

In order to ensure function reliability, a self-test and an audio data verification is installed. The alarm is provided via a dedicated output. The DMM 4650 does not require maintenance due to its use of flash memory.

Technical Specifications:

Operating Voltage	21.6 - 31.2V DC
Power consumption max.	18 watts (without retrofitting kits 90204)
Input voltage	0.775V/0dBu
Max. Input voltage	3.8V/+14dBu (Mic INPUT 50mV/ -24dBu)
Input impedance	20kOhm (Mic INPUT 1.4kOhm)
Output voltage	0.775V/0dBu
Max. Output voltage	3.8V/+14dBu (Phones 9V/+21dBu)
Output impedance	(bal.) 136 Ohm, (unbal.) 68 Ohm
Frequency response	20Hz-20kHz -3/0dB
Signal-to-noise ratio	>108dB (A-weighted)
THD	< 0.03% (at 1kHz)
Data format AD/DA converter	16 bit linear
DSP internal	24 bit
Sampling rate	35kHz
Control inputs	< ± 5V = Low, > ±10V = High
Dimensions	483 X 43.6 X 225 (W x H x D) 19in, 1HU
Weight	4kg

EV Electro-Voice®

Architecture & Engineering Specifications:

The message delivery unit shall provide universal generation and control of audio signals. The main application shall be for PA racks, but stand-alone applications are possible as well. The audio signals shall consist of alarm, gong, messages and also random combinations. The audio quality of the messages shall be selected depending on memory extension and different user requirements. With maximum memory extension, a total recording time shall be 16 minutes.

In order to ensure function reliability, a self-test and an audio data verification shall be installed. The fault alarm shall take place via a dedicated output. The utilize flash memory so as to be maintenance free.

Password protection shall be provided. The operation shall be simple, similar to cassette recorders or CD players. A computer interface shall be provided allowing for saving and loading of unit configurations and message data.

Available Accessories:

Model	Cat. No.	Description
NRS90204	121647	Extension module 4 x I/O
NRS90205	121648	Memory expansion module
NRS90210	121650	Output transformer

Ordering Information:

Model	Cat. No.	Description
DMM4650	121675	Digital Message Manager