

Newsletter 2012-1

Revolution in the PA Technology – All PA Functions in One Controller

After a successful year 2011 we start the new year 2012 directly with a new product and show you the revolution in the PA technology – our new **DS-6 PA-Control**. It combines **all important functions for controlling and monitoring of a PA system**. Instead of several different PA components only one controller is required.



Figure: DS-6 PA-Control, 2 Channels

It **connects the amplifier** (one for each channel) to the DS-6 network by means of a redundant DS-6 interface per controller and transfers all fault messages. Therefore, a separate analogue DS-6 Module is not required anymore.

With the DS-6 PA-Control **4 loudspeaker zones per amplifier are switchable**, so that it replaces the PA Connection Module.

Furthermore, the DS-6 PA-Control enables the **monitoring of an amplifier fault** also during the announcement and the **automatic switching to a redundant amplifier**, and so the Monitoring Module is replaced.

Additionally it monitors the amplifier for **overload**, e.g. by means of subsequently mounted additional loudspeakers, short-circuit or increasing the power of the loudspeakers.

These functions are included in the standard scope of delivery of the DS-6 PA-Control. Further functions are realised by additional software components.

So the **monitoring of impedance and grounding faults monitoring** are integrable in the new DS-6 PA-Control as software components. Therefore, the Lineguard is not required anymore.

A further software component for the DS-6 PA-Control is the **environmental noise depending volume control**, so that also this additional module is no longer necessary.

Features:

- Control of 4 loudspeaker zones
- 2 loop monitoring
- Amplifier fault monitoring
- Amplifier change over monitoring
- Monitoring for overload
- Impedance monitoring (Line monitoring)
- Grounding faults monitoring
- Environmental noise depending volume control
- Multilingual menu navigation
- 100 V dB-meter

By bundling of the most important PA functions in one device, the new DS-6 PA-Control implies **many advantages**. One of the main advantages is the **low wiring effort**. The current PA concept requires a high wiring effort due to the high number of single components and their connection technology (wire-wrap).

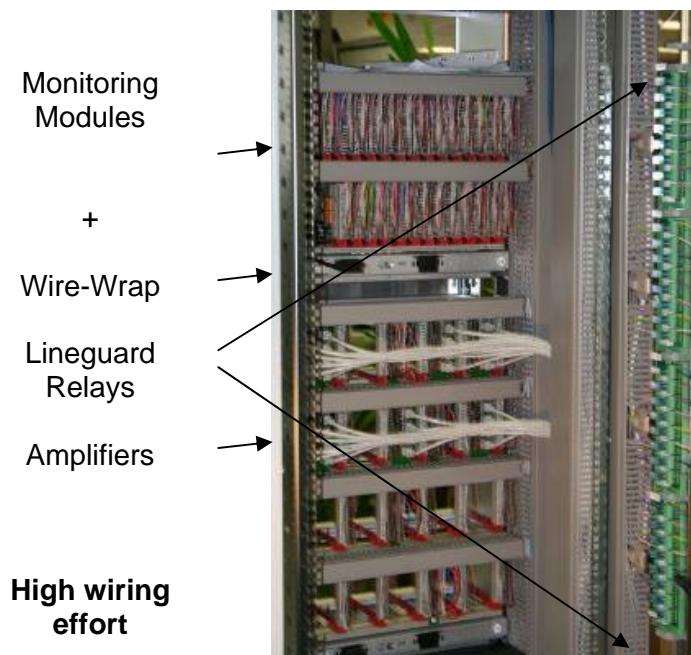


Figure: Current PA System

This high wiring effort will not apply by using the DS-6 PA-Control. As shown by the following figure, this system can be **extended to any number of loudspeaker zones** with patch cables.

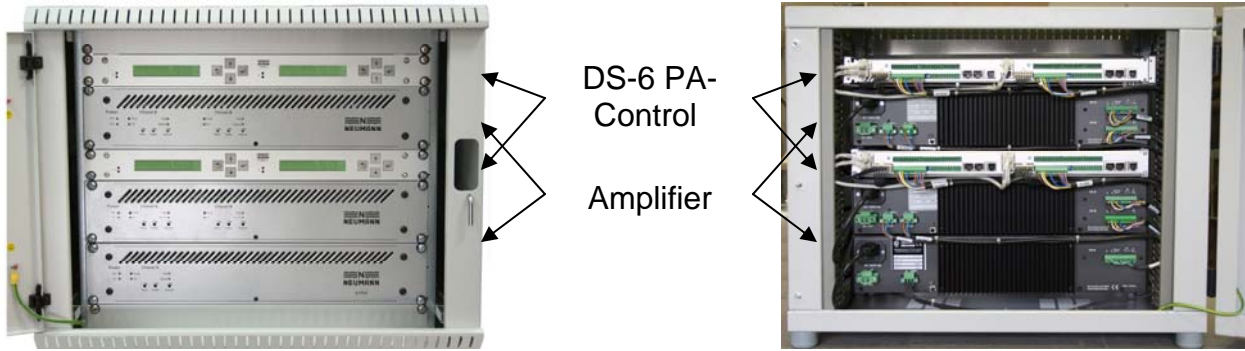


Figure: PA System with the new DS-6 PA-Control for 4 x loudspeaker zones and change over

Advantages at a glance:

- Higher reliability (n+2 redundancy)
- Easy extension by software-based functions
- Low wiring effort
- Low space required
- Low costs

New Version of the Configuration Tool DS-6 Config

The new version of our configuration program DS-6 Config (Version 1.0.98) is available. With this new program the configuration of our DS-6 Systems becomes even easier.

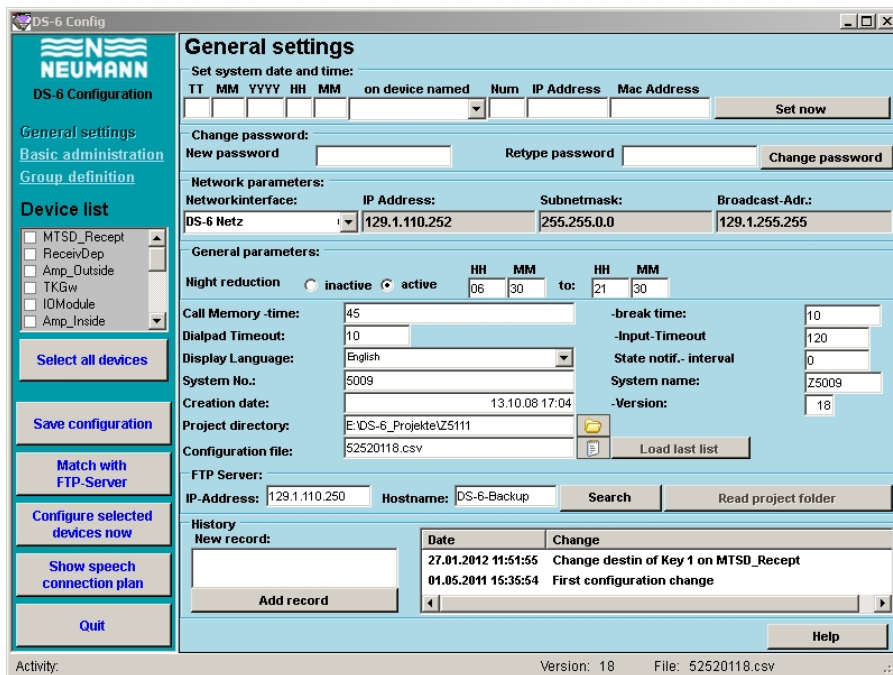


Figure: The new DS-6 Config Version 1.0.98

The new program is distinguished especially by an **easier handling** and by the **optimisation of the data management**. Device names which are given by the customer, for example, are automatically changed everywhere in case of a modification.

Another advantage is the **history**. All **changes to the system** can be recorded and tracked at a later time.

Also the international orientation of the company is taken into account by the new configuration program. The **menu navigation** is available in **German, English, Russian and French**.

Furthermore, the new DS-6 Config provides **many new functions**. So the **DS-6 Telephone Server**, the **DS-6 PC Call Station** and the **I/O Module** can now be **configured** directly by the new program.



Figure: Configuration of the I/O Module by DS-6 Config

Another novelty is the **online help system**, which opens the relevant help page according to the open page.

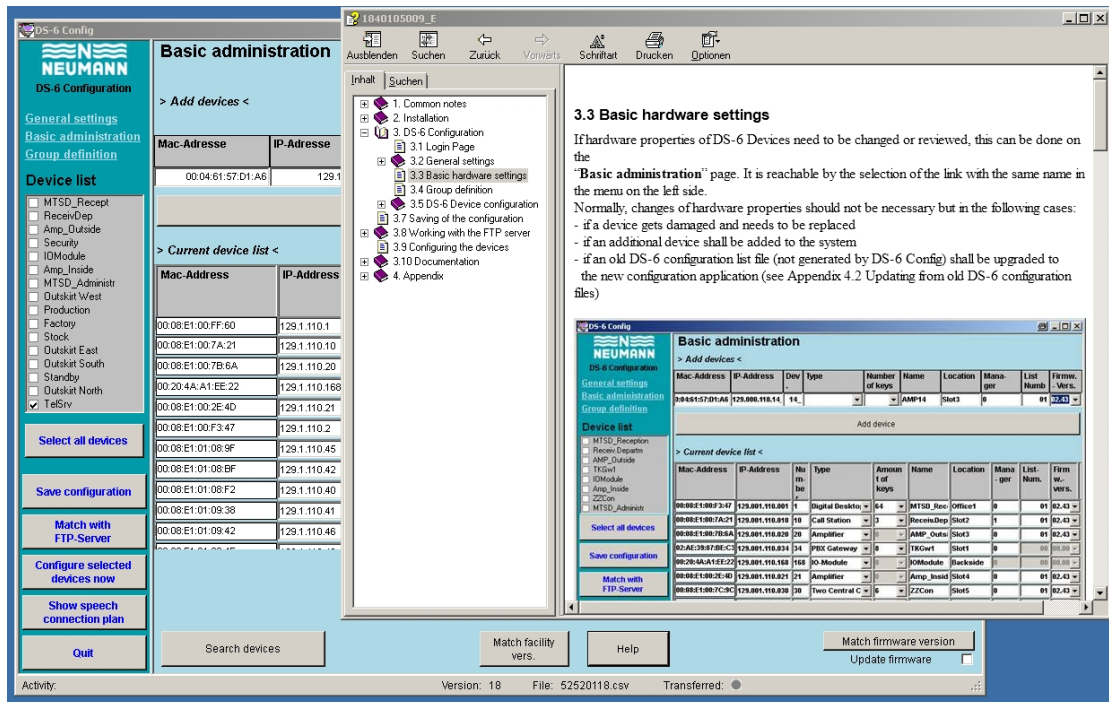


Figure: Online help system of DS-6 Config

The **automatic creation of the speech connection diagram** as HTML or Excel file (if Excel is installed) is also new.

Furthermore, the new DS-6 Config provides the possibility to **create automatically key labels according to the entered call destinations**. Afterwards these labels can be printed easily to save a lot of work.

Features at a glance:

- Easier handling
- Optimisation of the data management
- History of system changes
- Configuration of the DS-6 Telephone Server, PC Call Station and I/O Module
- Multilingual menu navigation: German, English, Russian and French
- Online help system
- Creation of a speech connection diagram (HTML or Excel)
- Creation of key labels

Yours sincerely

Nicole Staubes
Marketing Manager



Training Courses first half of 2012

Information Sessions

- Presentation and orientation of the company
- Introduction to our new IP solutions for intercom, PA and much more
- Introduction to the system structure
- Advantages of our new IP solutions
- System integration
- Presentation of applications, e.g.:
 - Practical examples for intercom and PA
 - Connection of a PLC
 - Connection of a fire alarm system
 - Combination of intercom and telephony
 - Video connection
 - Crane communication
 - Connection of a DECT headset system

Dates:

23. January 2011	17. April 2011
14. February 2011	15. May 2011
13. March 2011	12. June 2011

Free attendance

The seminar will be held at:

: ms Neumann Elektronik GmbH
Lahnstr. 30
45478 Mülheim an der Ruhr, Germany

Basic Course DS-6 and TIMM

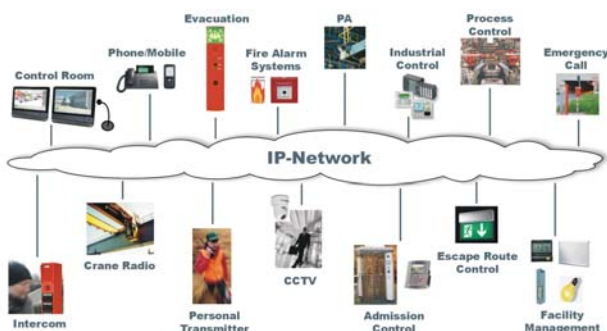
- Introduction to the decentralised and the centralised IP system technology
- Special features of the DS-6 system
- Planning and implementation of a DS-6 system
- Design of the system according to DIN EN 60849, DIN VDE 0833-4 and DIN EN 54-16
- Description of the customer specific wiring documentation
- Introduction to the configuration
- The maintenance software „DS-6 Manager“
- TIMM – the communication system for all areas of application
- System integration
 - Connection of old and foreign systems
 - Combination of different subsections like intercom, PA, video and emergency call systems
- Presentation of a demo system with practical examples for intercom, PA, alarm and telephony
- Final test with certification
- Outlook for the expert course

Three-day training courses: by request

Training charges: 3400,- € for max. 5 persons

The seminar will be held at:

: ms Neumann Elektronik GmbH
Lahnstr. 30
45478 Mülheim an der Ruhr, Germany



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Expert Course DS-6 and TIMM

- Practical exercises:
 - Testing of call stations, loudspeakers, alerting
 - Failures (Main, sub and collective faults)
 - Fault localisation, fault messages, causes of the fault
 - Troubleshooting
 - Changing of components
- Final test with certification

Five-day training courses: by request

Training charges: 5600,- € for max. 5 persons

The seminar will be held on site