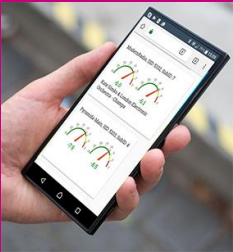


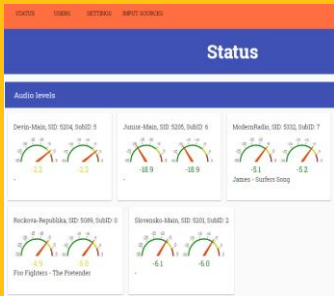
BENEFITS



USE YOUR MOBILE!

MOBILE FRIENDLY

Monitor and control your system from any mobile device



WEB ONLY!

MODERN WEBINTERFACE

The system is 100% webbased and using modern technology and standards. The system use Javascripts,HTML5 and JSON based restful APIs with realtime status updating for all data



24-7 OPERATION CENTRE

Connect your Paneda system to the 24/7 monitoring center And relax, the Paneda technicians are monitoring and controlling your system, 7 days a week, 365 days per year. In most cases actions can be taken before any services are affected.

FEATURES EXPERIENCED

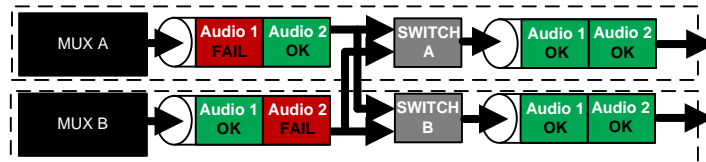
KEY SYSTEM CONCEPTS:

- **Paneda** has the most tested system on the market and are compliant to the highest requirement specified by standards and authorities.
- **Paneda** offers complete systems as turn-key, training and installation included.
- **Paneda** has its own development center and an active roadmap.
- **Paneda** consider customers as partners, we do things together.
- **Paneda** offers 24/7 support and supervision.
- **Paneda** has a great number of reference installations and offers on site visits for demonstrations.
- **Paneda** has a robust financial situation with highest focus on development.
- **Paneda** provides innovative and state-of-the art technology

RELIABILITY

The system should be realized in a redundancy cluster. The cluster members are independent from each other and can be located anywhere. One member can for example be located in the customer datacenter using AES67 inputs and another member can be located in the cloud using web streams. There is no limit on the number of cluster members. All members instantly and automatically synchronize themselves with the cluster leader.

With our unique switch technology we then automatically and seamless select the best signal from N redundancy members and we can even combine sub channels from different members in order to create the best possible output signal.



ON AIR

INNOVATIVE TECHNOLOGY

Paneda offers the most modern DAB system on the market, built to be easy to operate and providing cost efficient solutions. A Paneda DAB Head-End system contains DAB multiplexer, DAB/DAB+ Encoders and management system. The system is compliant to the DAB standard ETS 300 401. The system can be realized in a number of setups:

EXAMPLE OPTIONS



DAB IN THE CLOUD

Paneda offers a complete solution as a service enabling a hardware and problem free system. The system is managed by Paneda experts and users have full access to the web based user interface over Internet. The DAB stream from the cloud multiplexer is sent over internet to the Paneda Cloud Connector, the PCC



VMWARE SERVER

A complete system can be installed in any existing server environment using VMware virtual machines. Paneda also offers turnkey solutions with an HP server and VMware pre-installed. A standard server can host up to 6 independent multiplexers and a number of encoders in the same server hardware.



1U HARDWARE

The Paneda hardware is an all-in-one solution where a single unit can contain both a multiplexer and up to 16pcs DAB/DAB+ encoders. Power consumption only 30W. The hardware support most kind of Audio interface, such as AES/EBU, AES67/LiveWire as well as webstreaming formats.

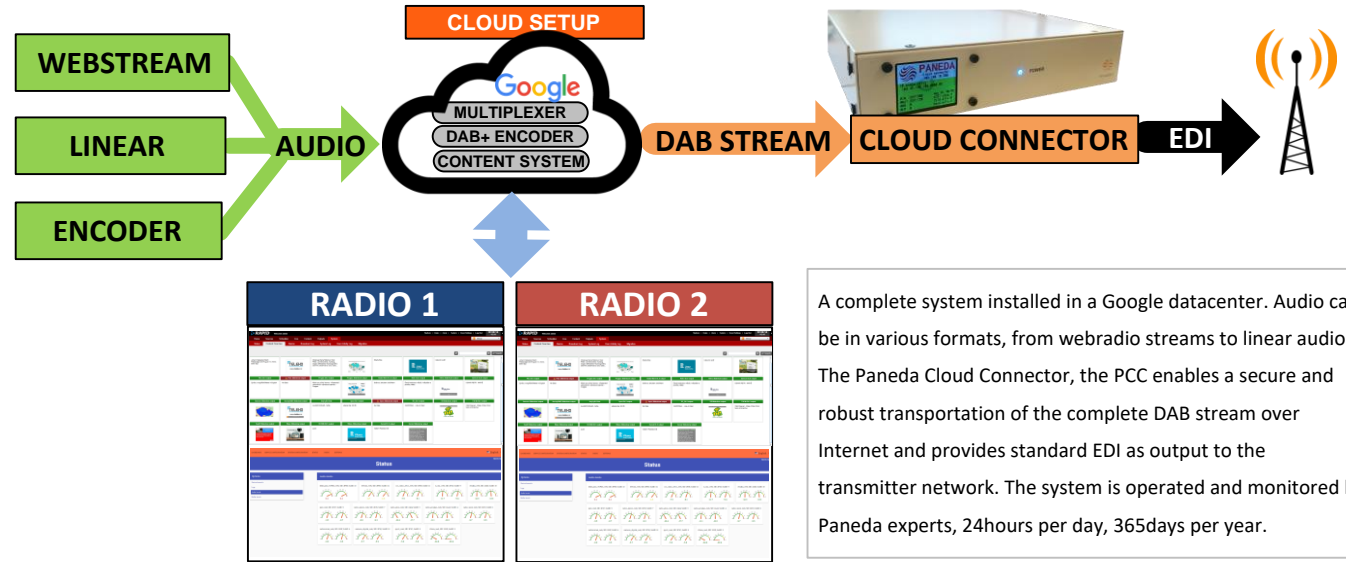
DAB TECHNOLOGY EXPERTS



The Paneda team has long experience of DAB systems and complex setups. Key focus is to provide excellent support and development.



SYSTEM SOLUTION EXAMPLE



A complete system installed in a Google datacenter. Audio can be in various formats, from webradio streams to linear audio. The Paneda Cloud Connector, the PCC enables a secure and robust transportation of the complete DAB stream over Internet and provides standard EDI as output to the transmitter network. The system is operated and monitored by Paneda experts, 24hours per day, 365days per year.

- Unique virtual provider handling.
- Each Radiostation can operate, manage and monitor his own services.
- Meta data as text and pictures can be managed centralized.
- Unique connector with robust protocol enable usage of Internet.
- Flexible audio sources, support for Icecast/Shoutcast, AES67/LiveWire, PCM and more.
- Complete system in the cloud without hardware that requires no special skills.
- Low entry investments with predicted monthly cost.
- Use Internet infrastructure.
- Highest security with TLS (HTTPS) and 2 factor authentication.
- Use you mobile device.



TURN KEY!

A Paneda system is 100% webbased using a modern architecture. The system use Javascripts,HTML5 and JSON based restful APIs with realtime status updating for all data. The information in webinterface is updated and presented in real time, for example VU meters for audio services including metadata. The webinterface is also built to be used with mobil devices. The system supports SNMP for monitoring. In addition the easy to use API allows easy integration into your existing monitoring system. SkyLine Communication with the system DataMiner is one example of a ready to use implementation.

YouTube **WATCH us on YOUTUBE**
<https://goo.gl/KwTtw8>