

### Pro16 Digital Snakes at the Stade de France for the Turandot Opera



Turandot Opera at the Stade de France

#### APPLICATION

Digital Snake

#### MARKET SEGMENTS

Performance Space  
Sound Company

#### PRODUCTS

2 AN-16/i Input Modules  
10 AN-16/o Output Modules

#### LOCATION

Paris, France

#### PRODUCT LINE

Pro16®

#### TESTIMONIAL

“S.E.A. wanted to support this event as closely as possible to help achieve the best results. We were involved from the planning phase until the actual installation in the stadium. Aviom is the most useful, easy-to-handle, and reliable digital product that we have ever had in our distribution portfolio.”

**Torsten Roeger**

S.E.A. Vertrieb & Consulting GmbH

#### INSTALLATION DETAILS

When called upon to design and implement the audio setup for an ambitious production of Giacomo Puccini’s 1924 epic opera, *Turandot*, at the Stade de France in Paris, Germany’s Westfalen Sound selected a Pro16® Aviom digital snake to create a distribution network for sending returns throughout the stadium.

With the help of Aviom’s German distributor, S.E.A. Vertrieb & Consulting GmbH, Westfalen Sound selected the Pro16 system for the ease of creating unlimited lossless digital splits without the need for transformer units. Using the Pro16 system, Westfalen Sound was able to distribute audio signals the necessary 180m over Cat-5e. Other Cat-5e solutions cannot achieve runs of this length, and fiber, the other alternative, is more expensive and makes for a more complex system. S.E.A.’s Torsten Roeger also suggested the Aviom digital snake for this event because it is “easy to handle and reliable.”

#### FEATURES AND BENEFITS

Ease of creating unlimited digital splits that need to be 180m apart each, using just Cat-5 cable

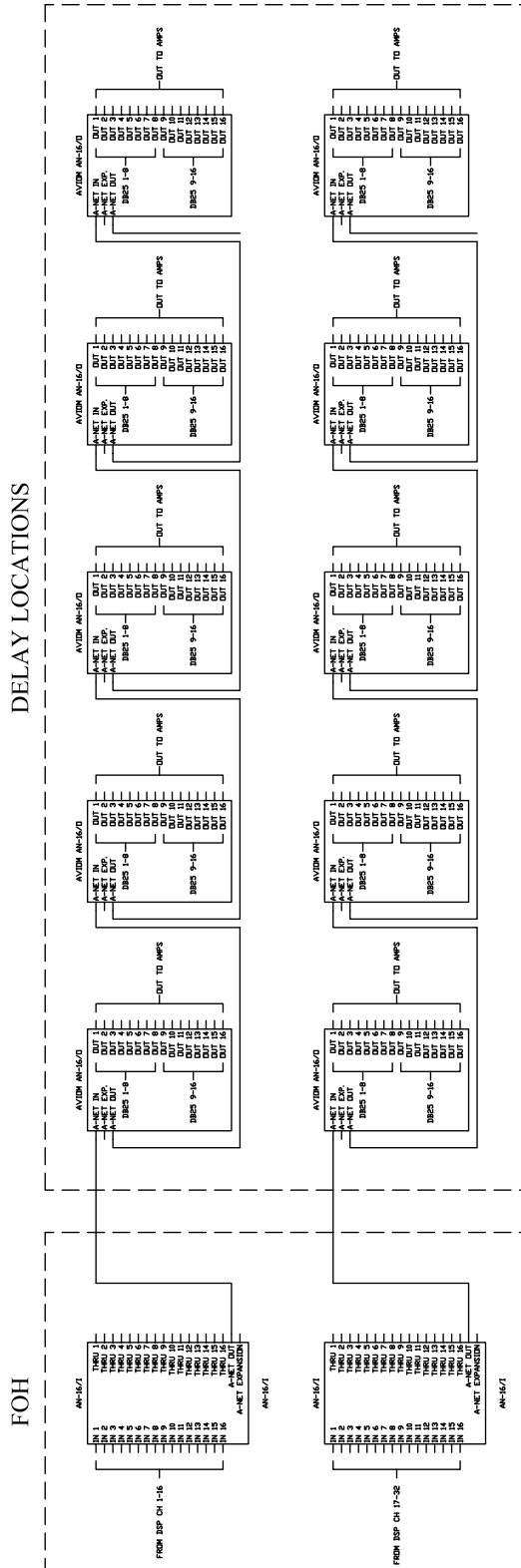
Simplicity of setup

Reliability and robustness of the products

The snake was used to send audio from the front-of-house mix position over a distance of 180m to the amp and speaker array system that fed the entire stadium. At the front-of-house DiGiCo D5 Live console, 32 channels were fed into two AN-16/i Input Modules. Each AN-16/i was connected to an AN-16/o Output Module, and these output modules were each daisy chained to four additional AN-16/o units, creating digital splits of the content.

The Pro16 digital snake simplified setup for Westfalen Sound and saved them a significant amount of time. The sound company was able to rely on A-Net® for the long cable runs in this system that delivered sound to an audience of almost 35,000.

*System diagram on reverse*



The two AN-16/i Input Modules at FOH distribute 32 channels of audio to the AN-16/o Output Modules located throughout the stadium. Output modules can be daisy chained without practical limit, creating the possibility for a virtually unlimited number of lossless digital splits.