

EIDOS 265 & FLYSUB 15

System configurations and amplifier presets.

v1.2 - January, 2013



In the picture: a flown array composed of two FLYSUB 15 plus eight EIDOS 265.

System overview

The systems illustrated here are arrays formed by EIDOS 265 and subs. The systems must be amplified by Outline amplifiers and it is really important to use the correct preset for each system, as described in the following pages.

Amplifiers

The designated amplifier is the Outline Tfive DSP, which has built-in DSP. The presets available in the DSP memory are conceived in order to obtain the best performance from the overall system. The system is designed for use only with Outline Tfive DSP amplifiers.

DSP presets

The presets are stored in the internal memory of the amplifier and can be loaded from the front panel. The Outline web site should be checked periodically for updates (www.outline.it, Support, Downloads, DSP settings for amps).

Presets can be uploaded via a serial port following the instructions in the video:

<http://www.youtube.com/watch?v=KocGcYx8dJc&feature=plcp>

The name of each preset shows its intended use, as follows:

SpkName1 & SpkName2 Vx.yz

The names of the loudspeakers to be connected to the first and second outputs are separated by “&” and the version of the preset follows the “V”. Optional symbols are:

- a number indicating the array configuration (4-box or 8-box array);
- an indication if the system is in “full range” mode.

Note 1: array configuration

The EIDOS 265 can be used to form small to medium arrays. The two standard configurations are the 4-box array and 8-box array, for each configuration there is a different set of presets. The reason for this is that when boxes are added to the array, there will be an increase of energy in the mid-low frequencies, compared to the high frequencies. In order to obtain the same sound from 4-box and 8-box configurations, Outline provides two sets of presets, recognizable by the presence of the number “4” or “8” in the name.

Note 2: full range configuration

For speech-only reinforcement applications or the playout of music at low SPL, the EIDOS 265 system can be used in full-range mode, without the subs. The relative presets have the word “full” in their name.

Note 3: subwoofer selection

The presets are intended for use with any of the following subs:

- FLYSUB 15 (max 2 per amplifier channel)
- EIDOS 215 S (max 1 per amplifier channel)
- EIDOS 118 S (max 1 per amplifier channel)

Amplifier presets and configurations

There are two sets of presets, depending on the length of the array (see also the following illustrations). All the amplifiers must have the same preset loaded. In the following list the numbers of elements per channel are intended for each amplifier.

Presets available for a 4-box array (see figures 1, 2 and 3)

Preset Name: SUB & EIDOS 265 4 Vx.yz

- Channel 1: 1 or 2 x FLYSUB 15 or 1 x EIDOS 215 S or 1 x EIDOS 118 S
- Channel 2: 4 x EIDOS 265 in high-pass configuration
- Description: suitable for a cluster composed of one or two sub(s) (high-pass 35 Hz, low-pass 100 Hz) and four EIDOS 265 (high-pass 100 Hz).

Preset Name: SUB & EIDOS 265 4 full Vx.yz

- Channel 1: 1 or 2 x FLYSUB 15 or 1 x EIDOS 215 S or 1 x EIDOS 118 S
- Channel 2: 4 x EIDOS 265 in full-range configuration
- Description: suitable for a cluster composed of one or two sub(s) (high-pass 35 Hz, low-pass 100 Hz) and four EIDOS 265 (high-pass 70 Hz).

Preset Name: EIDOS 265 4 full & EIDOS265 4 full Vx.yz

- Channel 1: 4 x EIDOS 265 in full-range configuration
- Channel 2: 4 x EIDOS 265 in full-range configuration
- Description: suitable for two clusters composed of four EIDOS 265 each (high-pass 70 Hz).

Presets available for an 8-box array (see figures 4, 5 and 6)

Preset Name: SUB & EIDOS 265 8 Vx.yz

- Channel 1: 1 or 2 x FLYSUB 15 or 1 x EIDOS 215 S or 1 x EIDOS 118 S
- Channel 2: 4 x EIDOS 265 in high-pass configuration
- Description: suitable for a cluster composed of one or two sub(s) (high-pass 35 Hz, low-pass 100 Hz) and eight EIDOS 265 (high-pass 100 Hz).

Preset Name: SUB & EIDOS 265 8 full Vx.yz

- Channel 1: 1 or 2 x FLYSUB 15 or 1 x EIDOS 215 S or 1 x EIDOS 118 S
- Channel 2: 4 x EIDOS 265 in full-range configuration
- Description: suitable for a cluster composed of one or two sub(s) (high-pass 35 Hz, low-pass 100 Hz) and eight EIDOS 265 (high-pass 70 Hz).

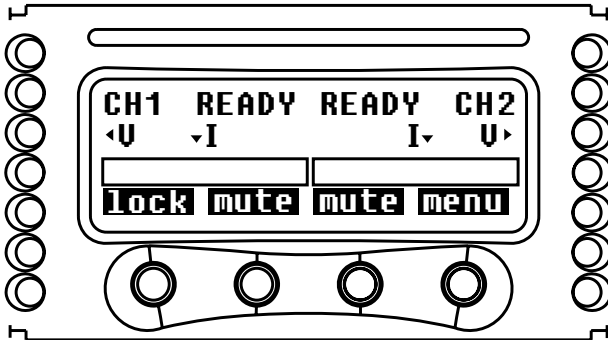
Preset Name: EIDOS 265 8 full & EIDOS265 8 full Vx.yz

- Channel 1: 4 x EIDOS 265 in full-range configuration
- Channel 2: 4 x EIDOS 265 in full-range configuration
- Description: suitable for one cluster composed of eight EIDOS 265 each (high-pass 70 Hz).

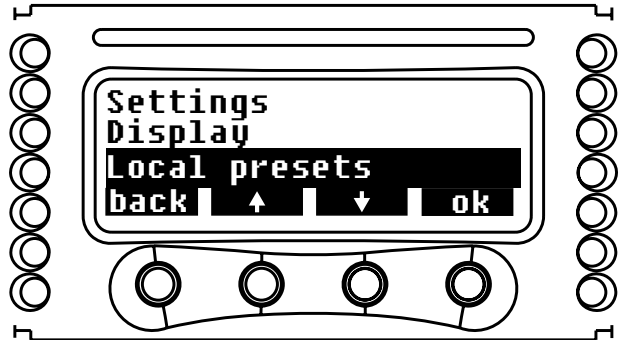
Note 4: Amplifier preset recall

Presets can be recalled directly from the Amplifier panel, using the four buttons at the bottom of the screen. Remember that all amplifiers driving the same array must load the same preset.

In order to load a preset, proceed as follow from the amplifier's main screen:



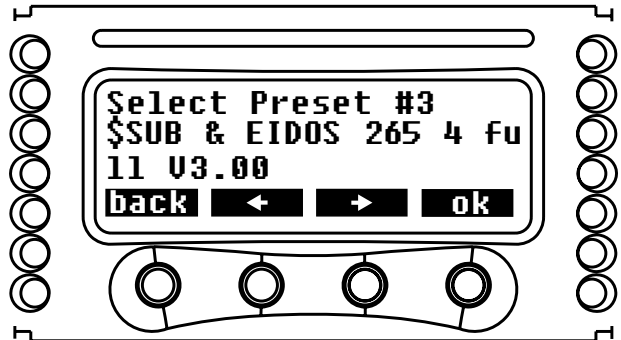
Step 1



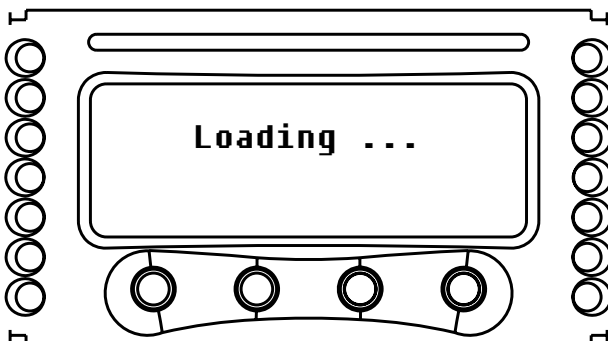
Step 2



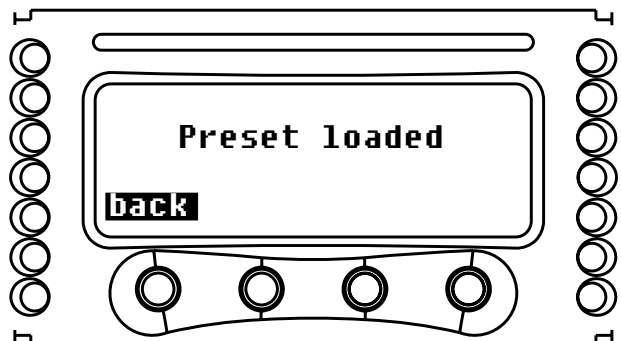
Step 3



Step 4



Step 5



Step 6

Available presets:
 SUB & EIDOS 265 4 Vx.yz
 SUB & EIDOS 265 4 full Vx.yz

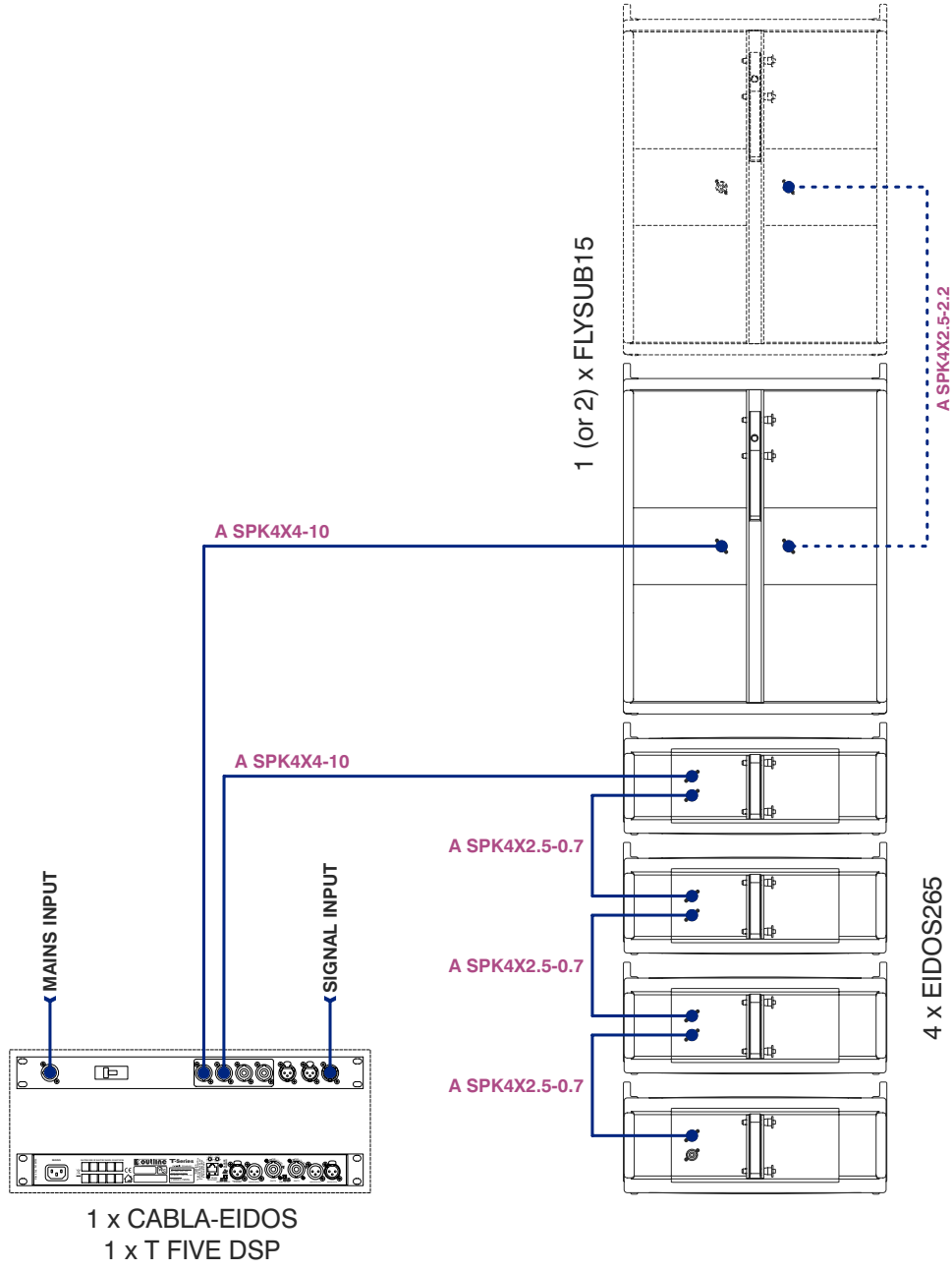


Figure 1: 4-box array, configuration # 1.

Available presets:
 SUB & EIDOS 265 4 Vx.yz
 SUB & EIDOS 265 4 full Vx.yz

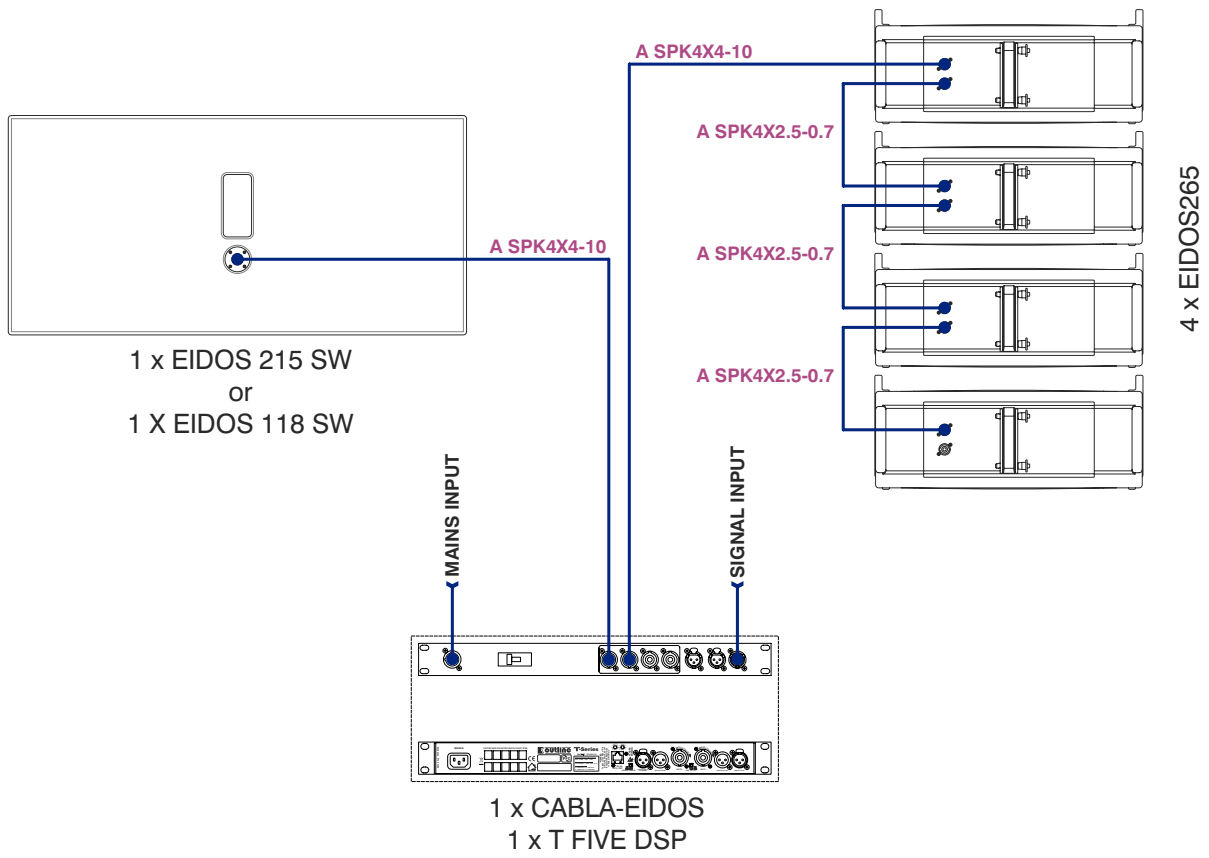


Figure 2: 4-box array, configuration # 2.

Available presets:
EIDOS 265 4 full & EIDOS265 4 full Vx.yz

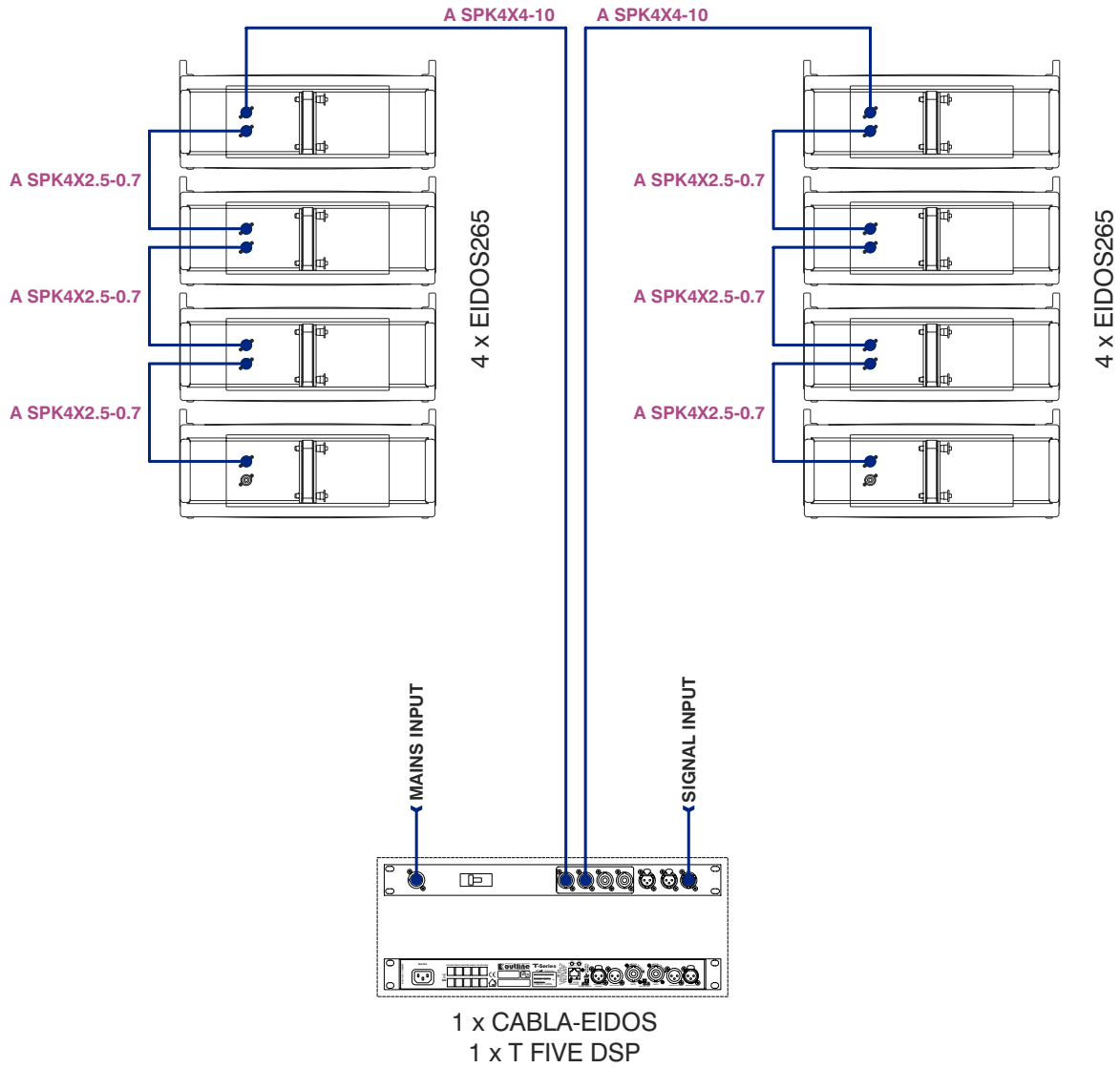


Figure 3: two 4-box arrays.

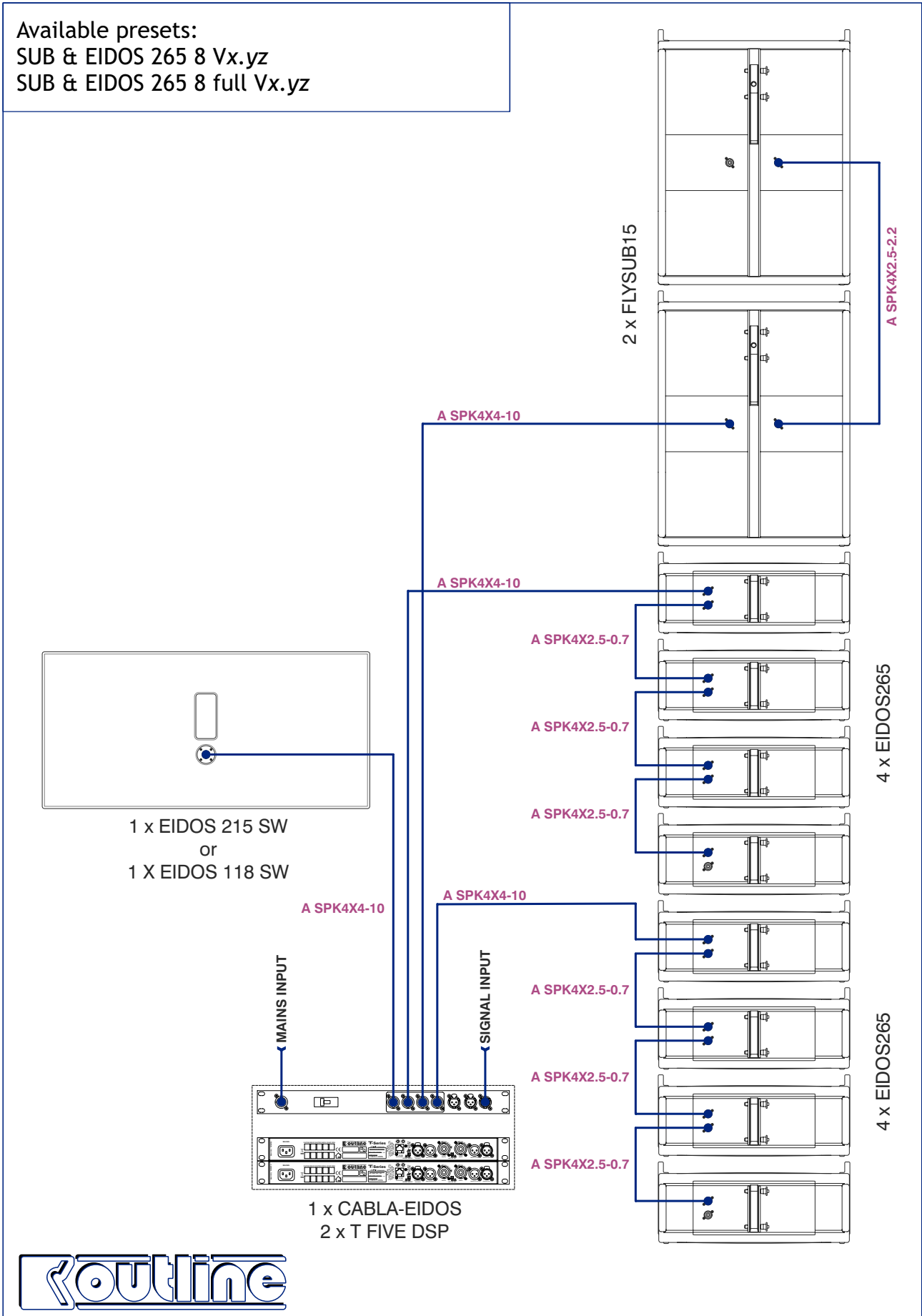


Figure 4: 8-box array, configuration # 1.

Available presets:
 SUB & EIDOS 265 8 Vx.yz
 SUB & EIDOS 265 8 full Vx.yz

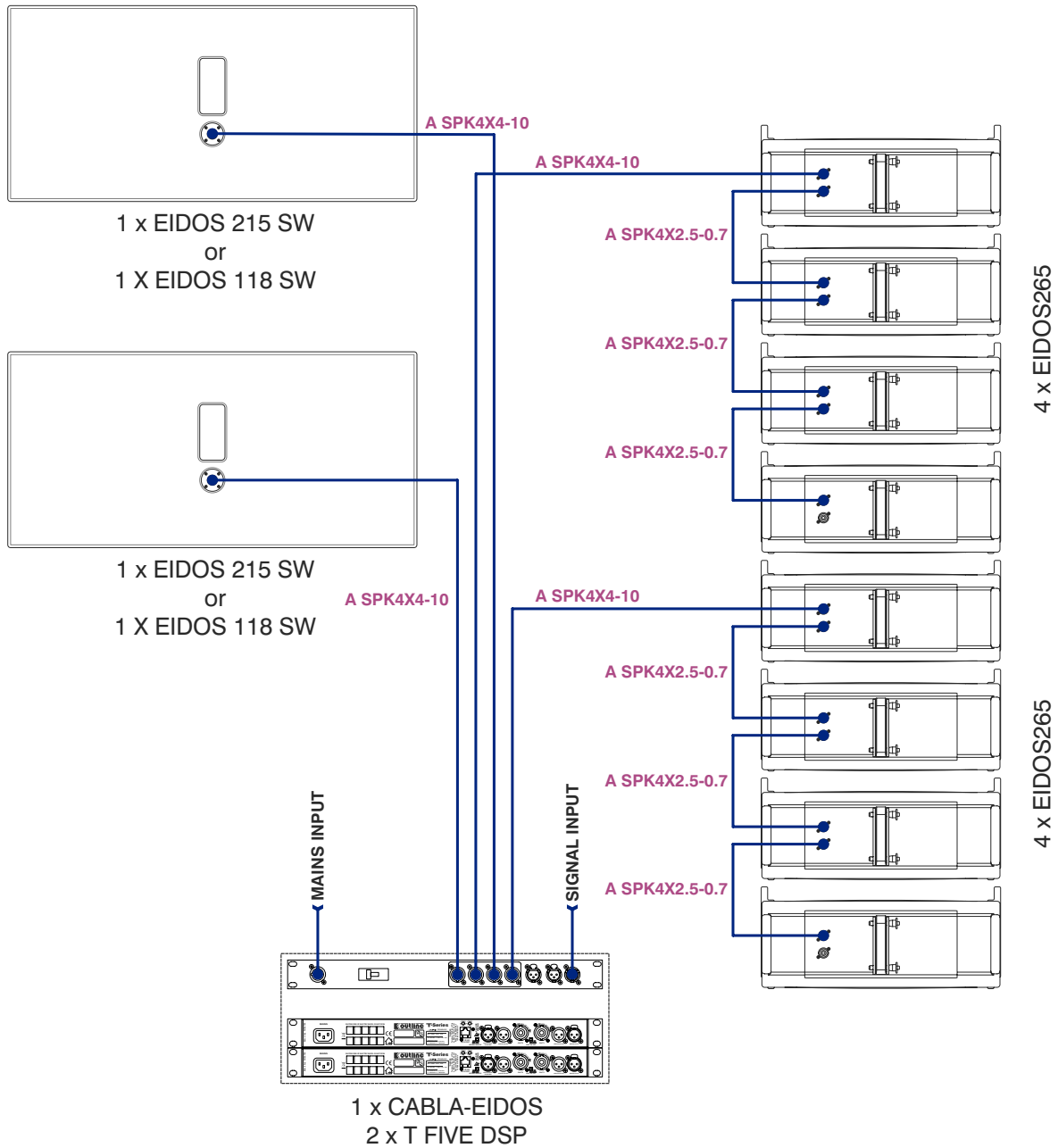


Figure 5: 8-box array, configuration # 2.

Available presets:
EIDOS 265 8 full & EIDOS265 8 full Vx.yz

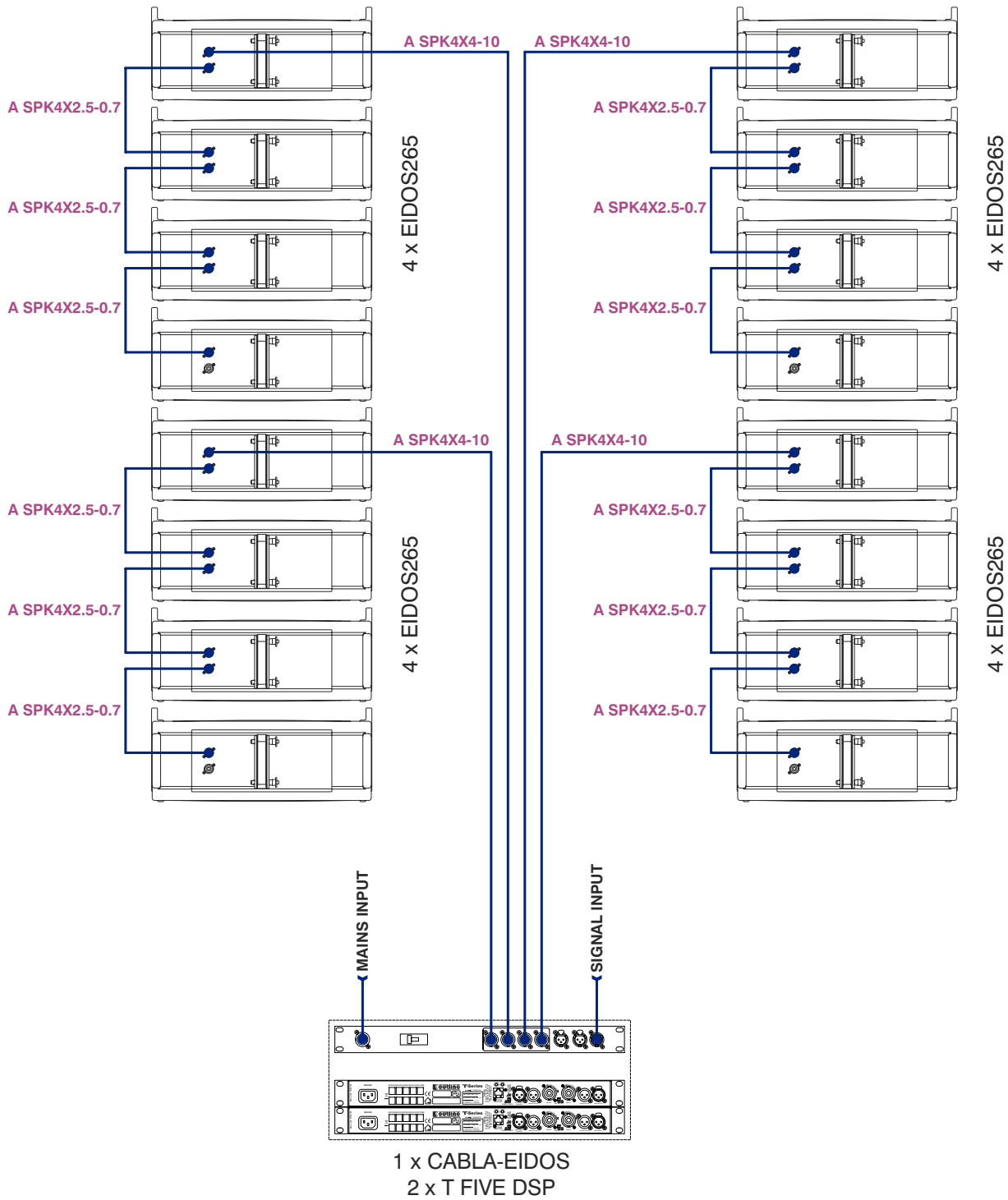


Figure 6: two 8-box arrays.