

**Software Newsletter**  
**October 2018**

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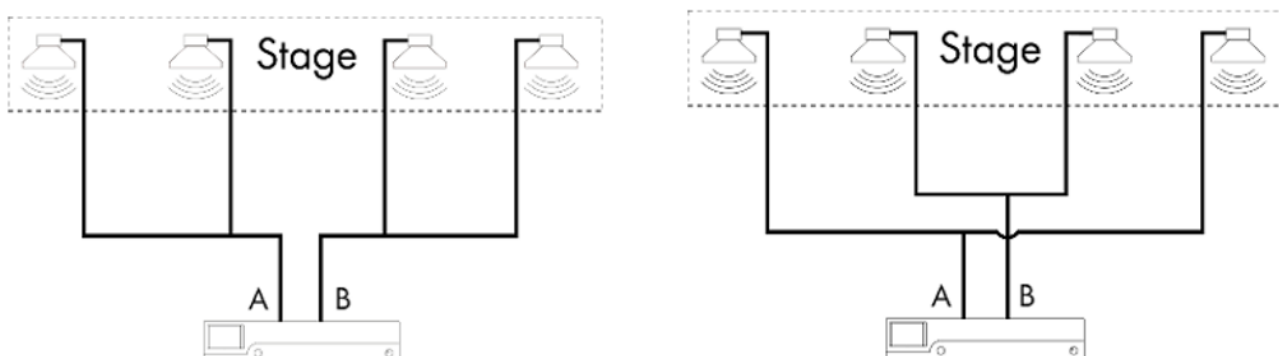
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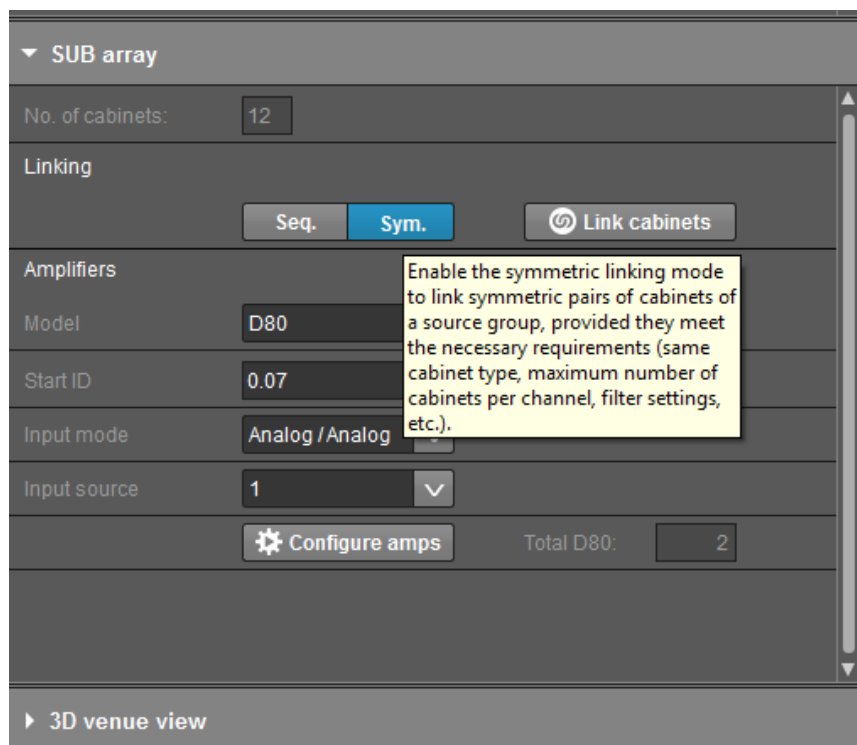
#### ArrayCalc V10.4

##### Symmetrical linking

ArrayCalc now provides a second linking mode. In addition to the sequential linking, it is now possible to link symmetrical pairs of loudspeakers in SUB array, point source groups and additional amplifier groups. On the Devices view, the linking mode can be set per source group.



**Fig. 1: Sequential linking (left), Symmetrical linking (right)**



**Fig. 2: Linking mode selection in Device view**

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Cabinets												
Cab.	Type	Setup	Level/dB	Delay/ms	Filter	Link	Channel name	Input mode	Input src.	Output mode	Ch.	ID
SUB array												
R6	V-SUB	---	0.0	6.5	--	--	SUBa... R06-L06	Analog / Analog	1	Dual Channel / Dual Cha	▼ A ▼	0.07
R5	V-SUB	---	0.0	2.9	--	--	SUBa... R05-L05	Analog / Analog	1	Dual Channel / Dual Cha	▼ B ▼	0.07
R4	V-SUB	---	0.0	1.7	--	--	SUBa... R04-L04	Analog / Analog	1	Dual Channel / Dual Cha	▼ C ▼	0.07
R3	V-SUB	---	0.0	1.0	--	--	SUBa... R03-L03	Analog / Analog	1	Dual Channel / Dual Cha	▼ D ▼	0.07
R2	V-SUB	---	0.0	0.5	--	--	SUBa... R02-L02	Analog / Analog	1	Dual Channel / Dual Cha	▼ A ▼	0.08
R1	V-SUB	---	0.0	0.3	--	--	SUBa... R01-L01	Analog / Analog	1	Dual Channel / Dual Cha	▼ B ▼	0.08
L1	V-SUB	---	0.0	0.3	--	--	⊗ R1					
L2	V-SUB	---	0.0	0.5	--	--	⊗ R2					
L3	V-SUB	---	0.0	1.0	--	--	⊗ R3					
L4	V-SUB	---	0.0	1.7	--	--	⊗ R4					
L5	V-SUB	---	0.0	2.9	--	--	⊗ R5					
L6	V-SUB	---	0.0	6.5	--	--	⊗ R6					

**Fig. 3: Symmetrically linked loudspeakers in Device view**

### Source group and loudspeaker counts increased

The maximum number of source groups and loudspeakers per group has been increased. The new limits are:

- 40 Arrays
- 30 Point source groups
- 20 Additional amplifiers groups
- 50 Loudspeakers per source group

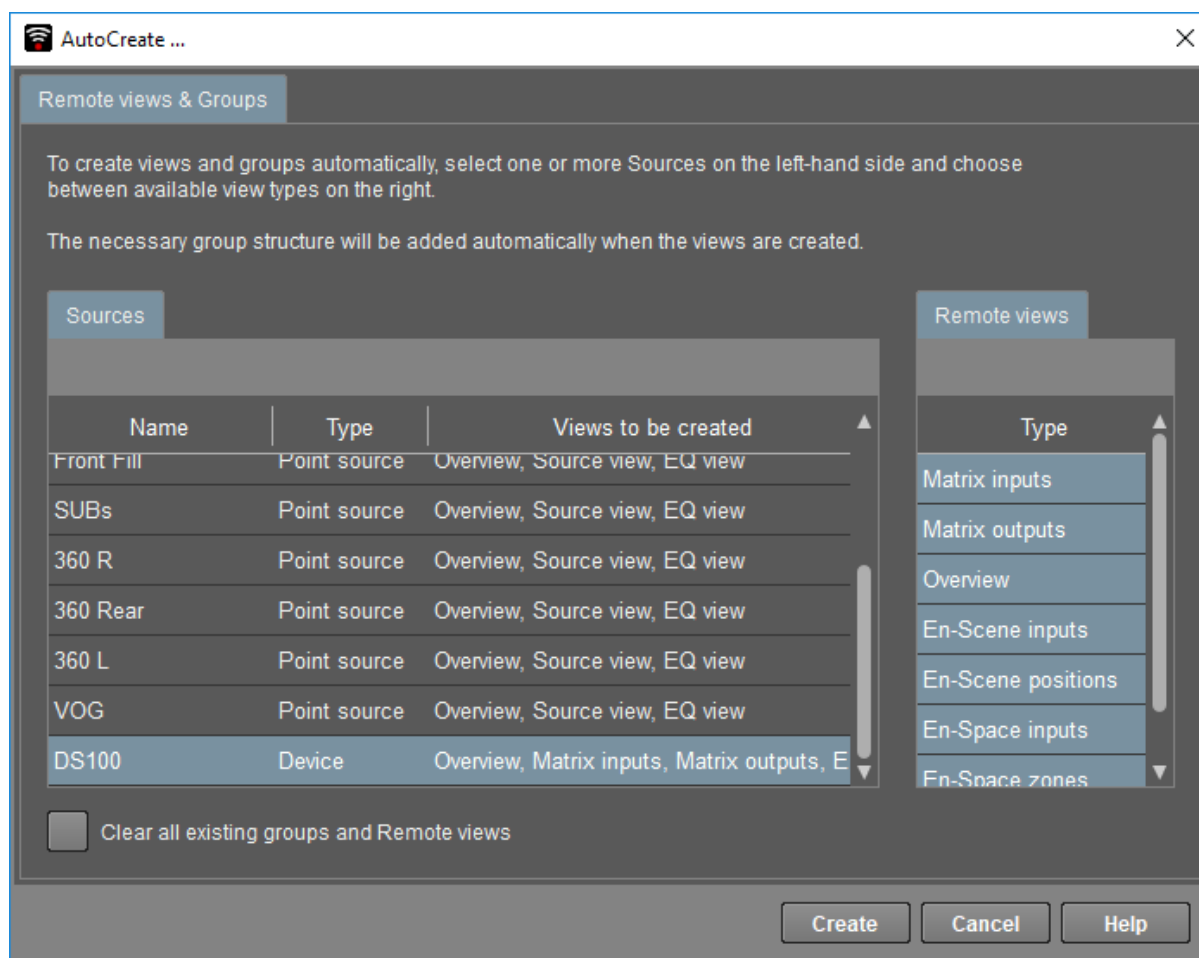
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#### R1 V3.4

##### AutoCreate for DS100/Soundscape

R1 can now automatically create Remote views for DS100 and Soundscape applications. If a DS100 is found in the project, the AutoCreate dialog will offer the option for creating several types of DS100/Soundscape specific Remote views.



**Fig. 4: Available DS100 Remote views in AutoCreate dialog**

The available views cover the Matrix inputs, outputs, En-Scene inputs, an En-Scene positioning view, En-Space inputs and En-Space zones plus room selection. These views can be further customized to better fit the application needs.

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Fig. 5: DS100 Inputs Remote view

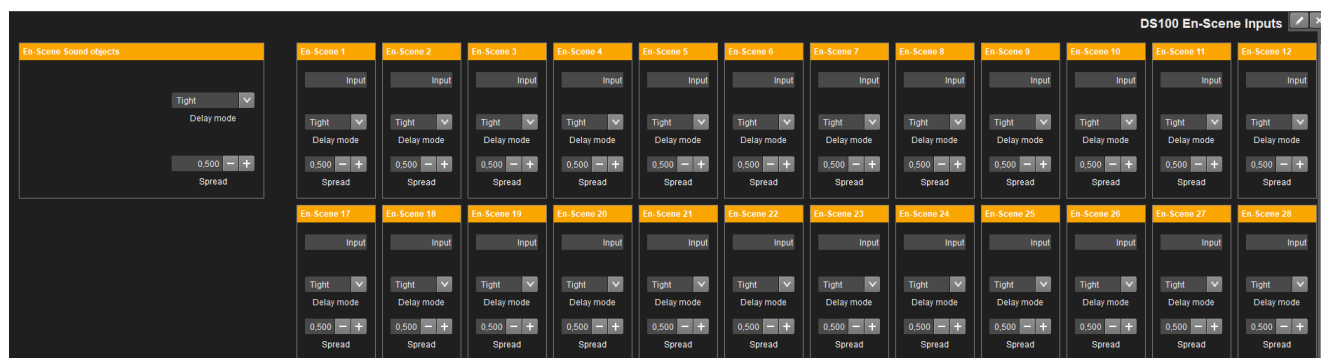


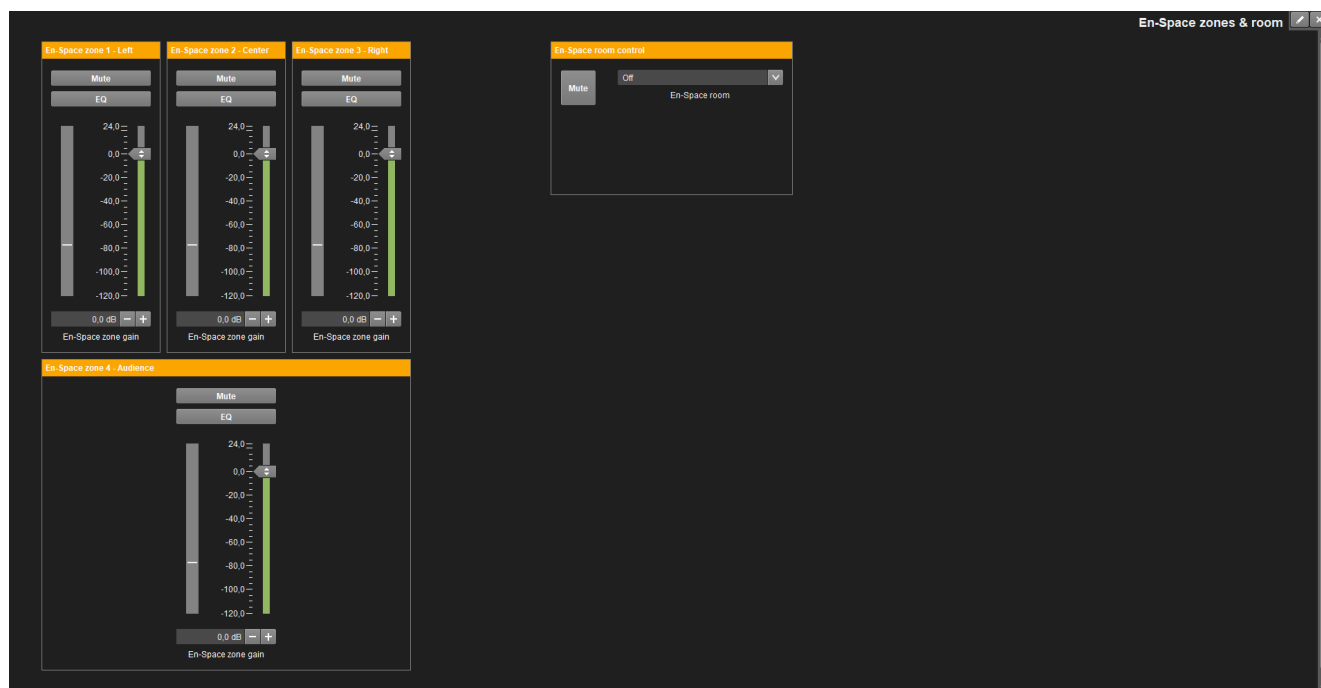
Fig. 6: DS100 En-Scene Inputs Remote view



Fig. 7: DS100 En-Space Inputs Remote view

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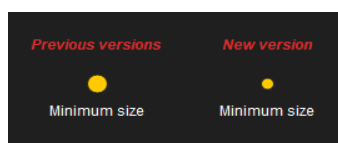
**Fig. 8: DS100 En-Space zones & room Remote view**

Please note that for the AutoCreate algorithm to automatically place the En-Space objects in the Positioning views, the corresponding inputs must be set to En-Space mode before running AutoCreate.

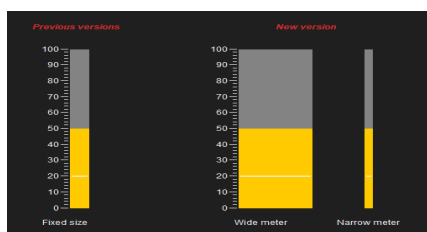
### New size constraints for LEDs and Meters

The minimum size for LEDs and meters on Remote views have been adjusted in order to allow higher flexibility when creating customized R1 Remote views and templates.

- LEDs can now be as small as 10 pixels, compared to the previous 16 pixels:



- Meters can now be resized in width, starting from 10 pixels (plus scale, if present):



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#### **Timeout issues on ArraySight and Amplifiers**

New firmware versions are available for ArraySight (V2.00.03) and the D80, D20, 10D and 30D amplifiers (V2.14), which fix a number of issues that may result in the devices showing timeout status in R1. Firmware updates are therefore highly recommended for these devices and are available via R1.



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### DS100 Firmware V1.06

#### New En-Space room: Bing Concert Hall

A new En-Space room is available in this firmware version, which corresponds to the Bing Concert Hall in Stanford, California. The room can be selected in R1 under the "Modern - medium 2" preset.

#### Space #4: Modern – medium 2

Capacity: 850 seats

Reverberation time: 2.2s (T40, 200 Hz – 2 kHz)



#### En-Space support of new Function group modes

New function group modes are now supported in En-Space. Loudspeaker sources assigned to SUB array, SUBs group, Outfill or Mono out function groups will include signal from the En-Space algorithms in the corresponding DS100 outputs.

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#### **NoizCalc 2.2**

A new NoizCalc 2.2 version has been released, which includes a number of new features:

- Improvements to the map data interface (map tilt, street view, points of interest)
- Windows remains open for side by side comparison
- Support of ArrayCalc V10.4 features (Symmetrical linking, ...)

For a more detailed description, please refer to the NoizLetter.