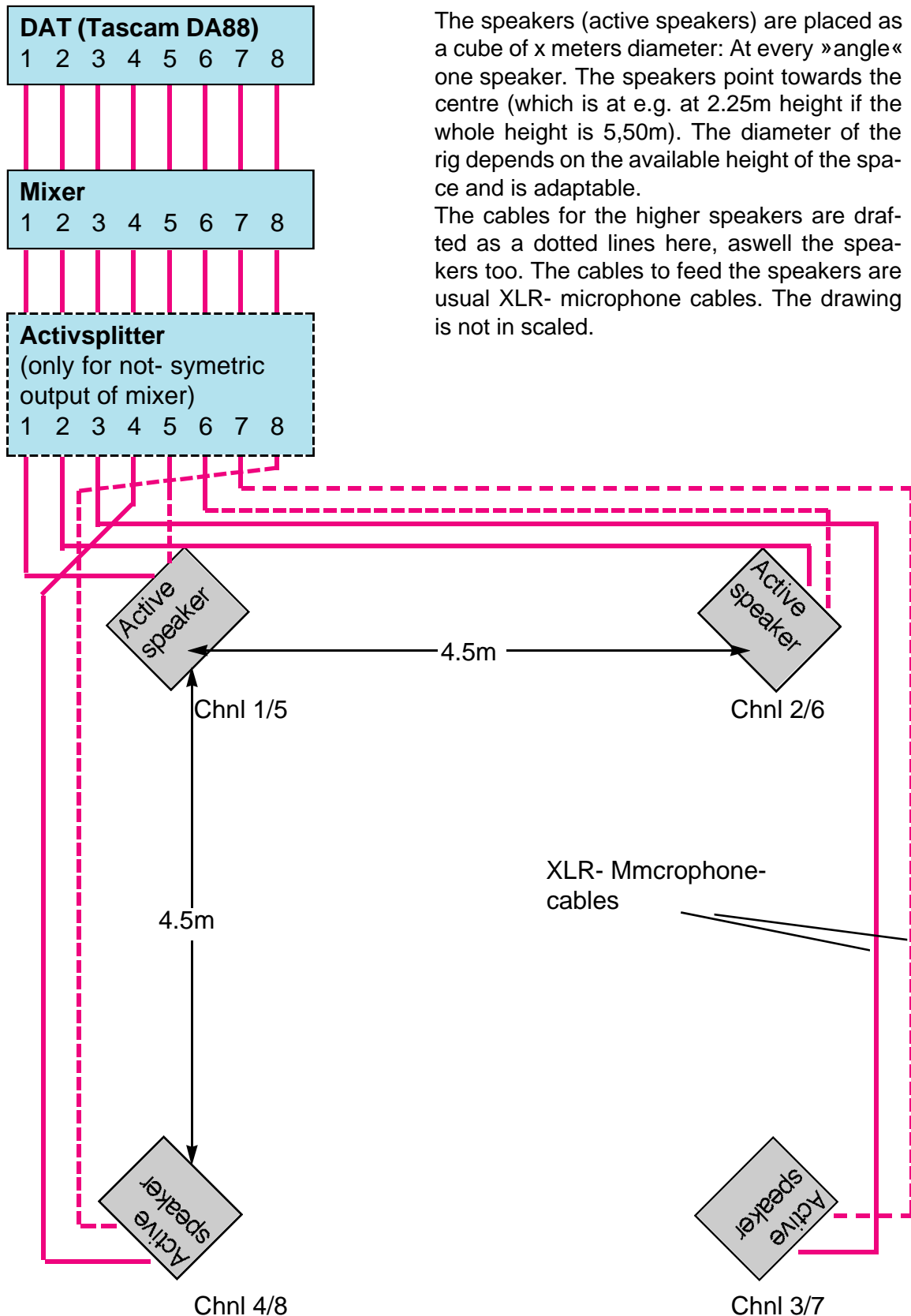


# Setup 8 Channels, DAT, active speakers



## The precise positions of the speakers

The cartesian co-ordinates listed below describe the position of the speakers. The coordinates refer to the centre of the system ( $x,y,z = 0,0,0$  = centre of the listening- area). The first co-ordinate is for den relative distance of the speaker from this centre in x- direction, the second co-ordinate is for y- direction and the third stands for z- direction. According to the Ambisonics- Convention, the positive direction of x is in front of the listener, the positive y is left (!) of him, the positive z above. Negative x,y,z is accordingly behind, right and below the listener. The setup of an Ambisonics- rig is not related to a particular size : The relative x,y,z co-ordinates are to be multiplied with a factor related to the size of the room to get the absolute positions of the speakers. These positions should be kept at set-up as precise as possible. Furthermore it is necessary to make sure that the phase of the speaker is coherent at all channels, which is the case most of the times anyway though.

### Cube

Speaker 1	<0.5774,0.5774,-0.5774>
Speaker 2	<0.5774,-0.5774,-0.5774>
Speaker 3	<-0.5774,-0.5774,-0.5774>
Speaker 4	<-0.5774,0.5774,-0.5774>
Speaker 5	<0.5774,0.5774,0.5774>
Speaker 6	<0.5774,-0.5774,0.5774>
Speaker 7	<-0.5774,-0.5774,0.5774>
Speaker 8	<-0.5774,0.5774,0.5774>