

# SPLT.1S 4" 98mm 40hm Titanium Bullet Tweeter Pair 300w RMS



## Instruction manual

Thank you for choosing Bassface. From the simplest connector to our top of the range amplifier - every element of these products has been designed to give you the best possible performance for your money. Please take the time to read these instructions carefully as they contain useful and important information. Modern high power audio systems can generate voltages at the speaker similar to mains operated equipment - for some reason everyone seems to ignore or forget this. Your wiring needs to be good to be safe. Please remember this and take your time. Please exercise caution when setting volume levels - powerful audio equipment can easily produce enough sound to permanently damage hearing. Remember that audio competitors use ear protection when operating and competing. Do remember that incorrect installation or abuse is not covered under warranty - please make sure that your installation and any partnered product is suitable and compatible. If you are unsure please seek qualified advice before proceeding. Always use appropriate hand and eye protection when working with tools, and always work within your capabilities as an installer. We offer a 12 month manufacturer warranty via your distributor or retailer. Please retain your purchase receipt as proof of purchase. Please note that Bassface operates a policy of continuous product development and we reserve the right to change specification without prior notice. You can follow our process on our website by reviewing the version history information.

Please note that we sometimes include information inside these manuals which we feel is of potential value to the client on related subjects such as conversion charts, capacitance values or wiring diagrams. Please feel free to copy any of this information since it is in the public domain.

Crossover Frequency (Hertz)	8 Ohms	4 Ohms	2 Ohms
80	248.44 $\mu$ F	496.88 $\mu$ F	993.75 $\mu$ F
100	198.75 $\mu$ F	397.50 $\mu$ F	795.00 $\mu$ F
120	165.63 $\mu$ F	331.25 $\mu$ F	662.50 $\mu$ F
150	132.50 $\mu$ F	265.00 $\mu$ F	530.00 $\mu$ F
200	99.38 $\mu$ F	198.75 $\mu$ F	397.50 $\mu$ F
280	70.98 $\mu$ F	141.96 $\mu$ F	283.93 $\mu$ F
400	49.69 $\mu$ F	99.38 $\mu$ F	198.75 $\mu$ F
600	33.13 $\mu$ F	66.25 $\mu$ F	132.50 $\mu$ F
800	24.84 $\mu$ F	49.69 $\mu$ F	99.38 $\mu$ F
1000	19.88 $\mu$ F	39.75 $\mu$ F	79.50 $\mu$ F
1200	16.56 $\mu$ F	33.13 $\mu$ F	66.25 $\mu$ F
2000	9.94 $\mu$ F	19.88 $\mu$ F	39.75 $\mu$ F
4000	4.97 $\mu$ F	9.94 $\mu$ F	19.88 $\mu$ F
5000	3.98 $\mu$ F	7.95 $\mu$ F	15.90 $\mu$ F
6000	3.31 $\mu$ F	6.63 $\mu$ F	13.25 $\mu$ F
8000	2.48 $\mu$ F	4.97 $\mu$ F	9.94 $\mu$ F
10000	1.99 $\mu$ F	3.98 $\mu$ F	7.95 $\mu$ F
12000	1.66 $\mu$ F	3.31 $\mu$ F	6.63 $\mu$ F

The SPLT.1S Tweeter kit now comes with pre installed 3.3 $\mu$ f capacitors, providing an effective and very safe crossover and protection from low frequency damage which has previously been a problem due to inexperienced installers making mistakes! This will increase power handling but reduce output, however, so it is acceptable to remove these and to install the drivers in a active configuration, or to replace them with capacitors of a different value. The lower the frequency you choose the less power the tweeters will safely be able to handle without damage. We recommend experimentation from 2500Hz upwards, depending on your expectation of output volume. Please refer to the 4 ohm column of the crossover chart for capacitor values.

**Conversion table - American Wire Gauge - mm. - mm<sup>2</sup>**

AWG N°	Diam. mm.	Area mm <sup>2</sup>	AWG N°	Diam. mm.	Area mm <sup>2</sup>
1	7,350	42,400	16	1,290	1,3100
2	6,540	33,600	17	1,150	1,0400
3	5,190	21,200	18	1,024	0,8230
4	5,190	21,200	19	0,912	0,6530
5	4,620	16,800	20	0,812	0,5190
6	4,110	13,300	21	0,723	0,4120
7	3,670	10,600	22	0,644	0,3250
8	3,260	8,350	23	0,573	0,2590
9	2,910	6,620	24	0,511	0,2050
10	2,590	5,270	25	0,455	0,1630
11	2,300	4,150	26	0,405	0,1280
12	2,050	3,310	27	0,361	0,1020
13	1,830	2,630	28	0,321	0,0804
14	1,630	2,080	29	0,286	0,0646
15	1,450	1,650	30	0,255	0,0503

