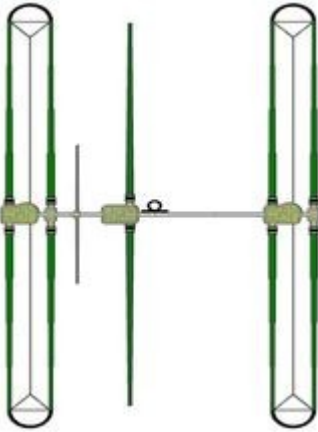
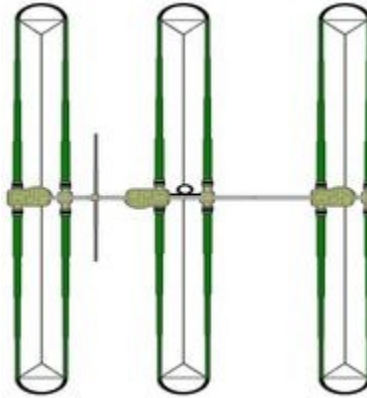


DB18 and DB18E are part of a series of Yagi antennas that use loop elements for 30 and 40M performance. The DB18 uses a coax switch (provided) to select which one of the three elements are driven to give equal performance forward and reverse. The control of the Antenna and Coax switch is integrated into the SDA100 controller (standard on DB18) for effortless tuning.



DB18 with 6m passive option



DB18E with 6m passive option

SPECS	DB18	DB18E
Boom length	19 feet	same
Boom	2 inch tapered	same
Longest element	39 feet	same
Turning Radius	21.6 feet	same
Weight	91 Lb	100 Lb
Mast clamps (included)	2 x 2 inch	same
Wind load	10.1 Sq/ft (cylindrical)	12.1 Sq/ft (cylindrical)
Wind rating	EIA 222-C	same
Adjustable elements	3	same
Power Rating	3 KW continuous	same
Feed points	3	same
Frequency coverage	6.8 – 54 Mhz	same
Tuning rate	1.3 ft/sec	same
Control cable	20 conductor 22 Ga	same

Performance for Ham Bands	DB18 Gain, Dbi	DB18 Front to rear, Db	DB18E gain, Dbi	DB18E Front to rear, Db
40M	6.2	20		
30M	5.4	0	7.0	20
20M	7.4	25		

<b>17M</b>	8.3	25		
<b>15M</b>	8.5	20		
<b>12M</b>	8.8	15		
<b>10M</b>	9.0	11		
<b>6M- 3 elements</b>	6.2	4		
<b>6M- with optional passive element 50.0- 5.3 Mhz</b>	10.1	30		

<b>Order information</b>	<b>Part number</b>	<b>USA price</b>	<b>Description</b>	<b>Option</b>
<b>DB18</b>	00432	\$2550	2 x 30-40M loop elements	
<b>DB18E</b>	00433	\$2950	3 x 30-40M loop elements	
<b>DB18 Element Truss Kit</b>	01604	\$178	Element trusses for loop elements, does not improve wind or ice load limits. For appearance only.	Yes
<b>DB18E Element Truss Kit</b>	01605	\$267	Element trusses for loop elements, does not improve wind or ice load limits. For appearance only.	Yes
<b>DB18 Boom Truss Kit</b>	01606	\$95.50	For add Ice load improvement	Yes
<b>6M passive kit</b>	06008	\$82	Adds one fixed passive element for 50.0- 5.3 Mhz for 4 elements total.	Yes
<b>SDA Transceiver interface</b>	01321	\$85	See SDA100 controller for details on additional cable options. Radio cable required.	Yes
<b>Tunning Relay</b>	01322	\$79	Used to prevent the linear from keying while the antenna is adjusting.	Yes
<b>ALP Driver</b>	01323	\$200	Driver chips are protected with relays when not in use	Yes
<b>Remote Driver</b>	01324	\$238	Uses Cat5 cable to mount ALP board at base of tower	Yes
<b>20 conductor Control cable</b>	03601-03622	See cable	22 Gage Shielded control cable for element motors and switching relays, see control cable for length information	
<b>Connector junction box</b>	01504	\$174	A pluggable junction of the control cable to antenna elements, replaces terminal blocks.	Yes
<b>33 volt supply</b>	01101	\$44	Used for control cable lengths over 200 feet	Yes
<b>N connector</b>	01102	\$16	Adds a N connector to the Coax switch Input only	Yes