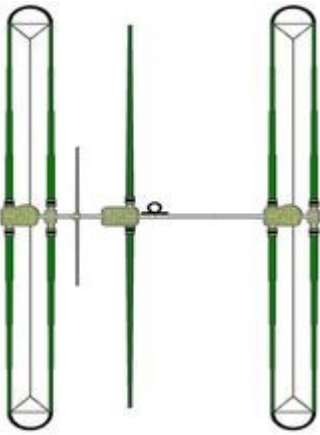
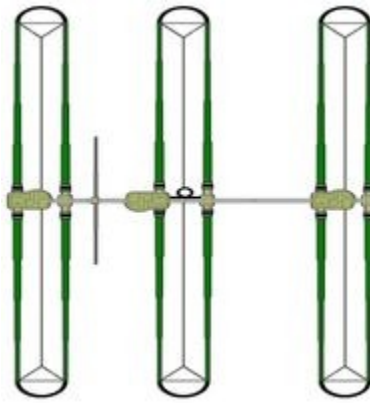


DB18 and DB18E are part of a series of Yagi antennas that use loop elements for 30 and 40M performance. The DB18 uses a coax switch (provided) to select which one of the three elements are driven to give equal performance forward and reverse. The control of the Antenna and Coax switch is integrated into 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		
17M	8.3	25		
15M	8.5	20		
12M	8.8	15		
10M	9.0	11		
6M- 3 elements	6.2	4		
6M- with optional passive element 50.0- 5.3 Mhz	10.1	30		

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