

Technical Manual

JBL CONTROL 16CT/BK

JBL

PROFESSIONAL

by HARMAN

SPECIFICATIONS

ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Frequency Response (± 3 dB): 96 Hz – 15 kHz
- Frequency Range (-10 dB): 62 Hz – 20 kHz
- Rated Maximum SPL: 108 dB @ 1 m (3.3 ft) average, 116 dB peak
- Nominal Impedance: 8 ohms (in direct/bypass 8Ω setting)
- Power Capacity (at low-Z): 100 Watts Continuous Program Power
50 Watts Continuous Pink Noise
- Transformer Taps: 30 W, 15 W, 7.5 W @ 70V or 100V
(plus 3.8 W @ 70V only)

SYSTEM COMPONENTS:

- Cabinet: Enclosure (Not For Sale)
- Grille: 5036442 (BK), 5030784 (WH)
- Low Frequency Driver: 165 mm (6.5 in) LF driver with polypropylene cone and butyl rubber surround
- D.C. Resistance: 6.8 ohms $\pm 5\%$

SYSTEM COMPONENTS: (CONT'D)

- High Frequency Driver: 19 mm (0.75 in) soft-dome liquid cooled tweeter
- D.C. Resistance: 5.00 ohms $\pm 10\%$

AURAL SWEEP TEST SPECIFICATIONS:

- A. System Aural Sweep Test: 7.0V Input, 60 Hz to 20 kHz
- B. LF Transducer Aural Sweep Test: 8.0V Input, 50 Hz to 3 kHz
- C. HF Transducer Aural Sweep Test: 2.0V Input, 1 kHz to 20 kHz

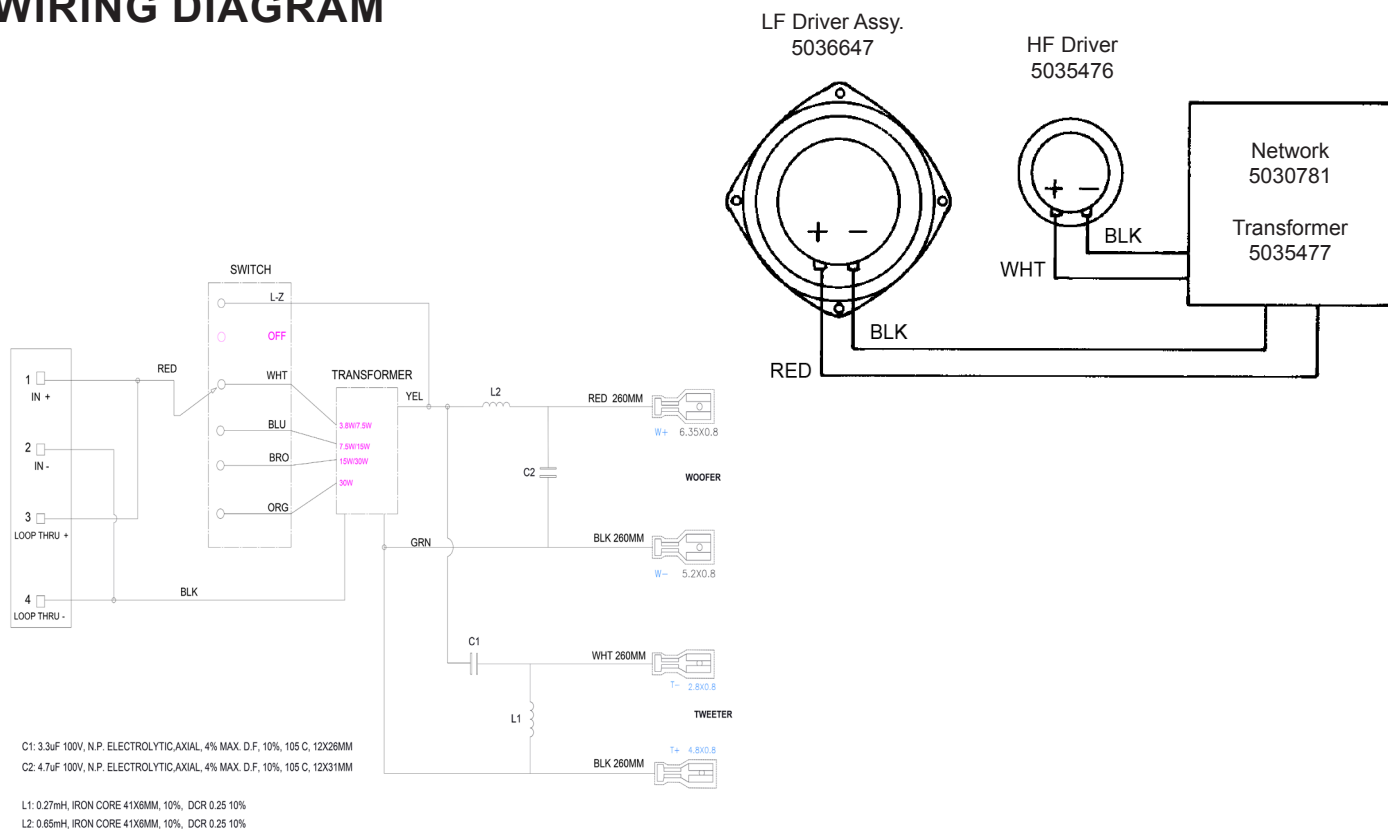
PHYSICAL SPECIFICATIONS:

- Enclosure Dimensions: 253 mm diameter x 225 mm depth from back of baffle
(10.0 in diameter x 8.8 in depth)
- Net Weight: 3.4 kg (7.4 lbs, one speaker)

WARRANTY INFORMATION:

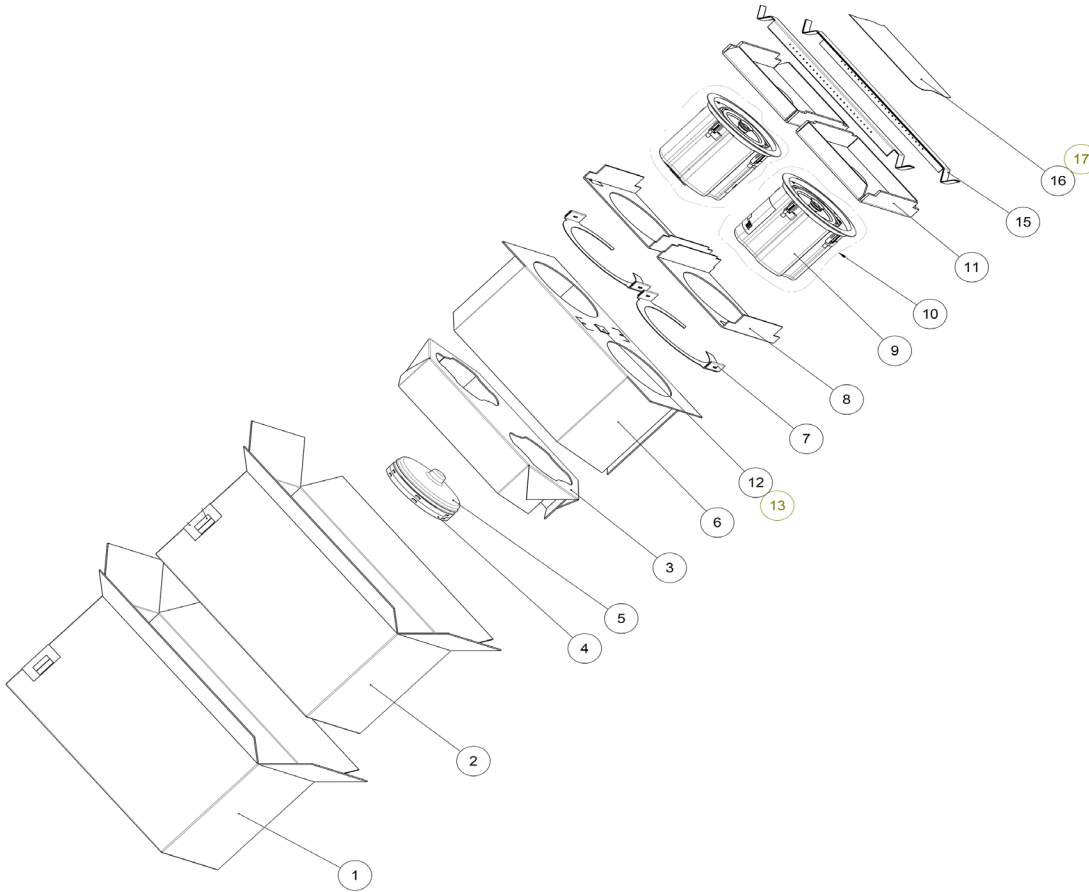
- Refer to Warranty Statement posted on line.

WIRING DIAGRAM



JBL CONTROL 16CT/BK

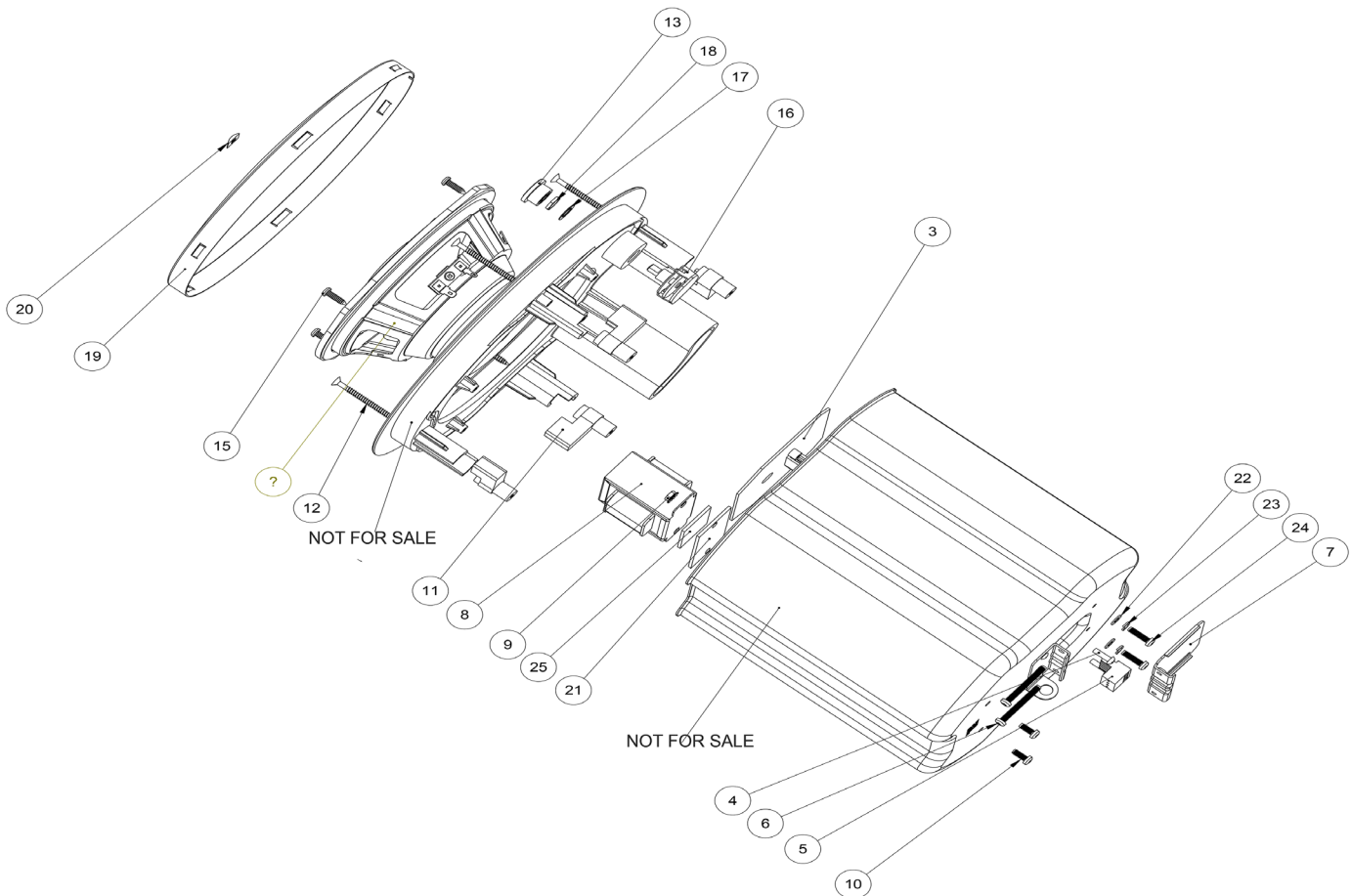
PACKAGE



Item	Part No.	Qty	Description
PACKAGING NOT FOR SALE			
1	5035590	1	OUTER CARTON, CONTROL 16CT (WHITE)
1	5035610	1	OUTER CARTON, CONTROL 16CT (BLACK)
2	5035615	1	INNER CARTON, CONTROL 16CT (BLACK)
2	5035613	1	INNER CARTON, CONTROL 16CT (WHITE)
3	5036665	1	SHPNGMATL,FILR,INNER PAD,C16CT
4	5030784	2	GRILLE,C16CT-WH
4	5036442	2	GRILLE,C16CT-BK
5	210-0006	2	PAINT SHIELD
6	5036667	1	SHPNGMATL,FILR,MASTER PAD,C16CT
7	040-0008	2	C-BRACKET
8	5036666	2	SHPNGMATL,FILR,CUTOUT PAD,C16CT
9		2	SPKRSYS,ASY,C16CT
10	5036669	2	SHPNGMATL,BAG,C16CT
11	5036668	2	SHPNGMATL,FILR,TOP PAD,C16CT
12	210-0045	1	BAG_POLYROLL_HEATSEAL_12CM WIDE
13	130-0005	4	SCREW_6-AB×0.5"_PHL_PAN_STL_BLK
15	260-0005	4	SIDE RAIL,TILE BRIGE
16	5036670	1	SPEC SHEET,C16CT
17	5036327	1	OWNER'S MANUAL,C10
21	5036115	2	LOGO (WHITE)
21	5036116	2	LOGO (BLACK)

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COMPONENT EXPLODED VIEW



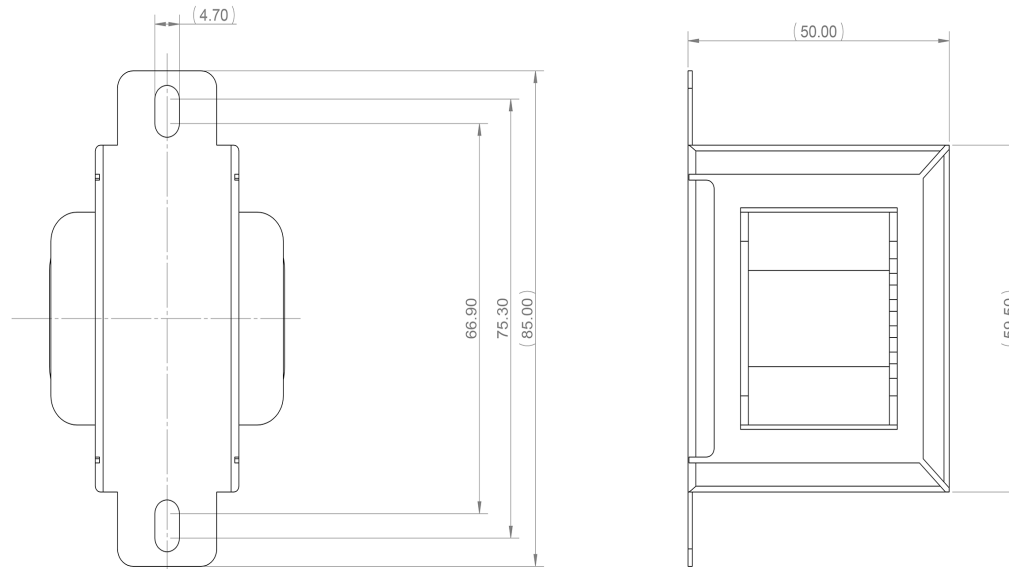
COMPONENT PARTS LIST:

Item	Part No.	Qty	Description
3	5030781	1	NETWORK,C16CT
4	5032164	2	SCR,M3.5×12,TRUSS,PH,CLEAR ZINC
5	5032048	1	CON,INPUT TERMINAL,FEM,C10CT
6	5032166	2	SCR,M4×35,PAN,PH,CLEAR ZINC
7	5030841	1	HDW,BRKT,BACKCAN_COVER,C10CT
8	5035477	1	XFMR,TRANSFORMER,C16CT
9	5032047	2	NUT,M4,CHRYSANthemum WASHER
10	5032165	2	SCR,M4×10,PAN,PH,CLEAR ZINC
11	210-0024	4	DOG,CLAMP
12	5032168	4	SCR,ST4X57,FLAT,PH,BLK ZINC
13	5030779	1	SWITCH_COVER,C16CT
14	5036647	1	LF DRIVER,C16CT
15	5032167	4	SCR,ST3.5X15,TRUSS,PH,BLK ZINC
16			SWITCH,C10CT
17	5032171	1	WASHER,Φ9,SWITCH
18		1	NUT,M9,SWITCH
19	5030784	1	GRILLE,C16CT, WHITE
19	5036442	1	GRILLE,C16CT, BLACK

Item	Part No.	Qty	Description
20	5036115	1	LOGO,C10CT,WHITE
20	5036116	1	LOGO,C10CT, BLACK
21	5036331	1	GASKET,EVA,TRANSFOMER,C16CT
22	5036325	2	WASHER,Φ4,CLEAR ZINC
23	5036326	2	SPRING WASHER, Φ4,CLEAR ZINC
24	5036332	2	SCR,M4×15,PH PAN,CLEAR ZINC
25	5037727	1	GASKET,TRANSFOMER BOT,C16CT
26	5035476	1	HF DRIVER

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TRANSFORMER



PRIMARY

WIRE SPEC:
AWM1007; 20AWG,
LENGTH 270mm $\pm$ 5mm
END STRIPPED AND TINNED 7MM

INPUT 1: BLACK, GROUND
INPUT 2: ORANGE, 30W@70V;
INPUT 3: BROWN, 15W@70V;
INPUT 4: BLUE, 7.5W@70V;
INPUT 5: WHITE, 3.8W@70V;

SECONDARY

WIRE SPEC:
AWM1007; 20AWG,
END STRIPPED AND TINNED 7MM
LENGTH 270mm $\pm$ 5mm;

OUTPUT1: GREEN, NETWORK NEGATIVE;
OUTPUT2: YELLOW, NETWORK POSITIVE.

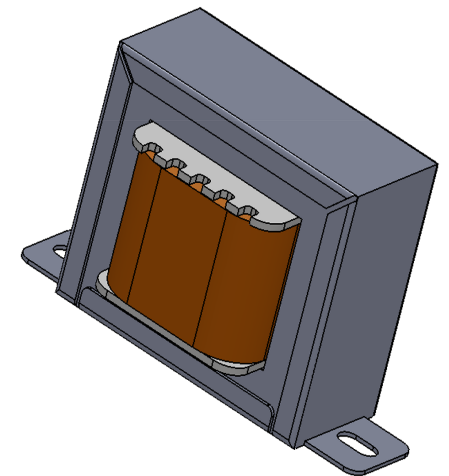
FREQUENCY RESPONSE: 40(-3dB)~20KHz(-1dB)@30W

INSERTION LOSS(1KHz): <1.5dB @30W

THD: <1.5% @ 100Hz, 30W

SALT SPRAY TEST: 24H.

TRANSFORMER MATERIALS MUST BE UL RECOGNIZED



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