



BC346XT

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scanner

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BC346XT Specs

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- Certified in accordance with FCC Rules and Regulations Part 15 Subpart C as of date of manufacture. (See [FCC Information](#) for more details.)
- FCC Certification has not yet been received for this product. It may not be offered for sale prior to equipment certification.

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General

Attenuation	20dB nominal
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Audio Output Power	320mW nominal into 24Ω speaker 20mW nominal into 32Ω stereo headphone
Scan Rate	100 channels per second max (Conventional mode)
Search Rate	300 steps per second max (5kHz steps only)
External Jacks	Antenna Jack: SMA Type Phone Jack: 3.5mm (1/8 in.) Stereo Type DC Power Jack: EIAJ TYPE- II (Center Positive) GPS/Remote Interface Jack: 4pin Mini Type
Internal Speaker	24 Ω, 0.8 W Max.(1.26 in.)
Power Requirements	3 x AA Size Rechargeable Ni-MH Batteries (1800mAh) 3 x AA Size Alkaline Batteries AC Adapter (6V DC 800mA Regulated) (AD-1001)
Operating Temperature	Nominal: -20°C to +60°C -4°F to +140°F Close Call: -10°C to +60°C +14°F to +140°F

Size	2.40 in.(W) x 1.22 in.(D) x 5.35 in.(H) (Without Antenna)
Weight	0.37 lbs (Without Battery and Antenna)
Remote Functions	Direct PC control Database management Wired cloning
Display	64 x 128 Full Dot Matrix LCD with orange back light

Sensitivity (nominal) 12dB SINAD		
0.4uV	25 – 27.995 MHz	AM
0.3uV	28 – 53.98 MHz	NFM
0.5uV	54 – 71.95 MHz	WFM
0.2uV	72 – 75.995 MHz	FM
0.4uV	76 – 107.9 MHz	FMB
0.3uV	108 – 136.9916 MHz	AM

0.3uV	137 – 173.9875 MHz	NFM
0.5uV	174 – 215.95 MHz	WFM
0.3uV	216 – 224.98 MHz	NFM
0.3uV	400 – 512 MHz	NFM
0.4uV	806 – 960 MHz	NFM
0.5uV	1240 – 1300 MHz	NFM

Signal Noise Ratio (nominal)

49dB	25 – 27.995 MHz	AM
43dB	28 – 53.98 MHz	NFM
55dB	54 – 71.95 MHz	WFM
48dB	72 – 75.995 MHz	FM
60dB	76 – 107.9 MHz	FMB

50dB	108 – 136.9916 MHz	AM
42dB	137 – 173.9875 MHz	NFM
55dB	174 – 215.95 MHz	WFM
40dB	216 – 224.98 MHz	NFM
39dB	400 – 512 MHz	NFM
42dB	806 – 960 MHz	NFM
38dB	1240 – 1300 MHz	NFM

Close Call Sensitivity (nominal):	
280uV	VHF Low1 Band
130uV	VHF Low2 Band
60uV	Air Band

60uV	VHF High1 Band
100uV	UHF Band
220uV	800MHz+ Band

Frequency Range

Frequency Range (MHz)	Modulation	Step (kHz)	Name
25.0000 - 26.9600	AM	5	Petroleum Products & Broadcast Pickup
26.9650 - 27.4050	AM	5	CB Class D Channel
27.4100 - 27.9950	AM	5	Business & Forest Products
28.0000 - 29.6800	NFM	20	10 Meter Amateur Band
29.7000 - 49.9900	NFM	10	VHF Low Band
50.0000 - 53.9800	NFM	20	6 Meter Amateur Band
54.0000 - 71.9500	WFM	50	VHF TV

72.0000 - 75.9950	FM	5	Intersystem & Astronomy
76.0000 - 87.9500	WFM	50	VHF TV
88.0000 - 107.9000	FMB	100	FM Broadcast
108.0000 - 136.9916	AM	8.33	Aircraft Band
137.0000 - 143.9875	NFM	12.5	Military Land Mobile
144.0000 - 147.9950	NFM	5	2 Meter Amateur Band
148.0000 - 150.7875	NFM	12.5	Military Land Mobile
150.8000 - 161.9950	NFM	5	VHF High Band
162.0000 - 173.9875	NFM	12.5	Federal Government
174.0000 - 215.9500	WFM	50	VHF TV
216.0000 - 224.9800	NFM	20	1.25 Meter Amateur Band
400.0000 - 405.9875	NFM	12.5	Miscellaneous
406.0000 - 419.9875	NFM	12.5	Federal Government Land Mobile

420.0000 - 449.9875	NFM	12.5	70 cm Amateur Band
450.0000 - 469.9875	NFM	12.5	UHF Standard Band
470.0000 - 512.0000	NFM	12.5	UHF TV
806.0000 - 823.9875	NFM	12.5	Public Service Band
849.0125 - 868.9875	NFM	12.5	Public Service Band
894.0125 - 960.0000	NFM	12.5	Public Service Band
1240.0000 - 1300.0000	NFM	25	25 cm Amateur Band

Special Functions

Band Scope Function

- Frequency Span 0.2 MHz To 500 MHz
- Frequency Step 5 kHz To 100 kHz

Two-Tone-Sequential

- 250-3500 Hz , 0.1 Hz Step Programmable

WX Alert

- 1050 Hz Tone System

- INTR-SAME System (warning / watch / Advisory)

Supported trunking systems

- Motorola Systems: Type I, II, II/I (hybrid)
- EDACS Systems: FM, NFM, and SCAT
- LTR Systems

Dynamic memory allocation capacity

- Systems: 500 max
- Groups: 20 per system
- Site: 1000 max (All) 256 per system
- Channels: 9000 max (20064 memory blocks)
- Channels per Trunked System: 500 max

Heterodyne System

- 1st IF: 380.7 to 380.8 MHz
- 2nd IF: 10.8 MHz
- 3rd IF: 450 kHz

CTCSS and DCS Tones

CTCSS Tone Frequencies (50 frequencies total)
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67.0	69.3	71.9	74.4	77.0	79.7	82.5	85.4	88.5	91.5
94.8	97.4	100.0	103.5	107.2	110.9	114.8	118.8	123.0	127.3
131.8	136.5	141.3	146.2	151.4	156.7	159.8	162.2	165.5	167.9
171.3	173.8	177.3	179.9	183.5	186.2	189.9	192.8	196.6	199.5
203.5	206.5	210.7	218.1	225.7	229.1	233.6	241.8	250.3	254.1

DCS Tone Codes (104 codes total)

023	025	026	031	032	036	043	047
051	053	054	065	071	072	073	074
114	115	116	122	125	131	132	134
143	145	152	155	156	162	165	172
174	205	212	223	225	226	243	244
245	246	251	252	255	261	263	265
266	271	274	306	311	315	325	331

332	343	346	351	356	364	365	371
411	412	413	423	431	432	445	446
452	454	455	462	464	465	466	503
506	516	523	526	532	546	565	606
612	624	627	631	632	654	662	664
703	712	723	731	732	734	743	754

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