

Service Manual

AUTOMOTIVE AFTERMARKET



WMA MP3

100W x 4

4-SPK SYSTEM



(CQ-C7403U)

CQ-C7403U
CQ-C7303U
CQ-C7203U
CQ-C7103U

WMA MP3 CD Player/Receiver

Specifications*

General

Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass/Treble)	Bass: $\pm 12\text{dB}$ at 60Hz Treble: $\pm 12\text{dB}$ at 16kHz
Equalizer Center Frequency	60, 160, 400, 1k, 3k, 6k, 16k Hz (CQ-C7403U/C7303U)
Equalizer Center Frequency	Band 1 (60, 80, 100, 200 Hz) Band 2 (500, 1k, 2k, 3k Hz) Band 3 (10k, 12k, 15k, 18k Hz) (CQ-C7203U/C7103U)
Variable Range of Equalizer	-12dB to 12dB (2dB step)
Current Consumption	Less than 2.2A (CD mode; 0.5W $\times$ 4-speaker)
Maximum Power Output	50W $\times$ 4(at 1kHz)
Speaker Impedance	4 - 8 Ω
Pre-amp Output Voltage	5V (CD mode; 1kHz, 0dB)
<CQ-C7403U/C7203U>	2.5V (CD mode; 1kHz, 0dB)
<CQ-C7303U>	2V (CD mode; 1kHz, 0dB)
<CQ-C7103U>	2V (CD mode; 1kHz, 0dB)
Subwoofer Output Voltage	5V (CD mode; 1kHz, 0dB)
<CQ-C7403U/C7203U>	2.5V (CD mode; 1kHz, 0dB)
<CQ-C7303U>	2V (CD mode; 1kHz, 0dB)
<CQ-C7103U>	2V (CD mode; 1kHz, 0dB)
Pre-amp Output Impedance	

<CQ-C7403U/C7203U>	60 Ω
<CQ-C7303U/C7103U>	200 Ω
Subwoofer Output Impedance	
<CQ-C7403U/C7203U>	60 Ω
<CQ-C7303U/C7103U>	200 Ω
FM Stereo Radio	
Frequency Range	87.9MHz - 107.9MHz
Usable Sensitivity	10.2dB μ V (0.9 μ V, 75 Ω)
50dB Quieting Sensitivity	15.2dB μ V (1.6 μ V, 75 Ω)
Frequency Response	30Hz-15kHz ($\pm 3\text{dB}$)
Alternate Channel Selectivity	75dB
Stereo Separation	35dB (at 1kHz)
Image Response Ratio	75dB
IF Response Ratio	100dB
Signal to Noise Ratio	62dB
AM Radio	
Frequency Range	530kHz - 1,710kHz
Usable Sensitivity	27dB μ V (S/N 20dB)
CD Player	
Sampling Frequency	8 Times Oversampling
DA Converter	4 DAC System
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wave Length	790 nm
Frequency Response	20 Hz-20kHz ($\pm 1\text{dB}$)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	75dB

Panasonic Cq C7103u Manual

Rachel S Tattersall



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