

1. Outline of product

- 1.1. Product category : Car cradle for CLIE handheld
 1.2. Destination and sales country : U, USA
 1.3. Application safe standard : FCC Part 15C § 15.209(a)

2. Standard and warranty scope

No.	Items	Conditions	Minimum	Typical	Maximum	Unit
1	Input DC voltage	Operation assurance voltage, negative ground	10.5	14.4	16.0	V
2	Consumption current	Under operation	-	500	1500	mA
		Back up (not mounting CLIE handheld)	-	400	500	μA
3	Dimensions (W/H/D)	Cradle (body)	78.2 × 138.5 × 37.4			mm (±0.5)
		Fitting kit	40.0 × 88.0 × 59.0			
		Car battery adapter	112.0 × 48.0 × 38.0			
		GPS antenna (body)	34.0 × 38.0 × 13.2			
		Wireless card remote commander	52.0 × 90.0 × 10.5			
4	Mass	Cradle (body)	155			g
		Fitting kit	75			
		Car battery adapter	105			
		GPS antenna (body)	25			
		Wireless card remote commander	30			
5	Operating temperature	Cradle, Car battery adapter	5	20	35	
		GPS antenna	-30	-	85	
		Wireless card remote commander	-20	-	60	
6	Storage temperature	Cradle, Fitting kit, Car battery adapter	-40	-	80	
		GPS antenna	-40	-	100	
		Wireless card remote commander	-30	-	85	
7	Storage humidity (relative)	Cradle, Fitting kit, Car battery adapter	10	65	90	%
		GPS antenna	20	-	95	
		Wireless card remote commander	5	-	95	

Storage temperature and humidity shall be defined condition of not mounting CLIE handheld.

3.2. Car battery adapter section

No.	Items	Specifications	Remarks
1	Power supply	Connecting cigar righter socket (12V DC car battery)	Negative ground
2	Rated input voltage	14.4 V DC	
3	Operation assurance Input voltage	10.5 to 16.0 V DC	
4	Consumption current	Back up	Max. 500 μ A
		Under operation	Max. 1500 mA
5	Fuse	2.5 A 125 V UL	
6	Output voltage	5.2 \pm 0.3 V DC	Output current : 0 to 3 A
7	Output current	Maximum 3 A	
8	Output plug type	3pin square, straight flat type	3-C parallel cable

4 . Supplied accessories

No.	Items	Specifications
1	GPS antenna	VCA-36 Micro strip planer antenna (cable length : 3m)
2	Car battery adapter	XA-DC5 (cable length : 1.6m)
3	Wireless card remote commander	RM-X136 (Battery attachment)
4	Fitting kit	Parts for installation and connection
5	Installation CD-ROM	
6	Navigation software CD-ROM	StreetFinder C ³ Travel Navigation Software
7	Operation manual	
8	Installation/Connections manual	
9	User's Guide	For StreetFinder C ³ Travel Navigation Software

5. Electrical characteristics

5.1. Measurement standard (general)

No.	Items	Conditions		Remarks
1	Measuring environment	It measures by normal ambient temperature, relative humidity, and atmospheric pressure.		5 to 35 45 to 85 % 860 to 1060 hPa
2	Measuring power supply voltage	14.4 ± 0.5 V DC		
3	Operating assurance power voltage	10.5 to 16.0 V DC		
4	Use CLIE handheld	PEG-TG50/U	Output level : Typ. -2dB (Volume maximum, load = 47k)	CLIE handheld other than the following differ in an output level.

5.2. Audio characteristics

5.2.1. LINE OUT (for cassette adapter)

No.	Items	Conditions		Standard	Unit	Remarks
1	Output level	1kHz	no filter	-12.6 ± 1	dBs	0dB
2	Frequency response	20Hz	no filter	-0.6 ± 1	dB	0dB = 1kHz
		100Hz		-0.1 ± 1		
		10kHz		0 ± 1		
		20kHz		-0.5 ± 1		
3	Total harmonics distortion	1kHz	20kHz LPF 400Hz HPF	0.05 or less	%	0dB
4	S/N	1kHz	JIS-A 20kHz LPF 400Hz HPF	75 or more	dB	
5	Channel separation	1kHz	20kHz LPF 400Hz HPF	65 or more	dB	0dB
6	Channel balance	1kHz	no filter	0 ± 1	dB	0dB

5.2.2. FM transmitter input

No.	Items	Conditions		Standard	Unit	Remarks
1	Output level	1kHz	no filter	-17.5 ± 1	dBs	0dB
2	Frequency response	20Hz	no filter	-0.3 ± 1	dB	0dB = 1kHz
		100Hz		0 ± 1		
		10kHz		-1.6 ± 1		
		20kHz		-5.0 ± 1		
3	Total harmonics distortion	1kHz	20kHz LPF 400Hz HPF	0.05 or less	%	0dB
4	S/N	1kHz	JIS-A 20kHz LPF 400Hz HPF	75 or more	dB	
5	Channel separation	1kHz	20kHz LPF 400Hz HPF	65 or more	dB	0dB
6	Channel balance	1kHz	no filter	0 ± 1	dB	0dB

5.2.3. SONY-BUS OUT (for connection adapter)

No.	Items	Conditions		Standard		Unit	Remarks
1	Output level	1kHz	no filter	-2.1	± 1	dBs	0dB
2	Frequency response	20Hz	no filter	0	± 1	dB	0dB = 1kHz
		100Hz		0	± 1		
		10kHz		0	± 1		
		20kHz		-0.3	± 1		
3	Total harmonics distortion	1kHz	20kHz LPF 400Hz HPF	0.05	or less	%	0dB
4	S/N	1kHz	JIS-A 20kHz LPF 400Hz HPF	75	or more	dB	
5	Channel separation	1kHz	20kHz LPF 400Hz HPF	65	or more	dB	0dB
6	Channel balance	1kHz	no filter	0	± 1	dB	0dB

5.3. Radio characteristics

5.3.1. Transmitter or Transceiver

1. Equipment Type	X	Transmitter		Transceiver
2. Frequency band	Lower Limit	95.9MHz		
	Upper Limit	101.9MHz		
3. Frequency of Operation	92.2MHz			
4. Other Clock Frequency	11.52MHz			
5. Type of modulation	F8E			
6. Bandwidth & channel spacing	>200KHz			
7. Transmit power or power range	>250microV /3m(Average)			
8. Power control		Few	X	No
9. Duty cycle (ON/OFF Ratio)	NA			
10. Channel access protocol	NA			
11. Mode of operation	X	Simplex		Duplex
12. Antenna Type	Internal film antenna			
13. Antenna Gain	-			
14. Antenna connector Type	-			
15. Reference standard	FCC Part15			
16. Method of Frequency Generation		Crystal		Other(Resnator)
	X	Synthesizer		
17. Power supply (AC)	5.2V(DC)			
18. Operating voltage (Inner)	4.6V			
19. Operating temperature range	5 to 35 (C) 41 to 95 (F)			
20. Power&Signal Cable Length		> 3m	X	<= 3m