



The Z-Wave® Developer's Kit enables developers and Original Equipment Manufacturers (OEMs) to design and develop products that network wirelessly using RF-based Z-Wave® technology.

This table shows the current Z-Wave® sub-1 GHz frequency coverage.

COUNTRY/REGION	STANDARD	Z-WAVE FREQUENCY	RESIDENTIAL VOLTAGE	FREQUENCY
Algeria	ETSI EN 300 220	868.40 MHz, 869.85 MHz	230 V	50 Hz
Argentina	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	220 V	50 Hz
Armenia	ETSI EN 300 220	868.40 MHz, 869.85 MHz	230 V	50 Hz
Australia	AS/NZS 4268	919.80 MHz, 921.40 MHz	230 V	50 Hz
Bahamas	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
Bahrain	ETSI EN 300 220	868.40 MHz, 869.85 MHz	230 V	50 V
Barbados	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	115 V	50 Hz
Bermuda	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
Bolivia	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	115 V, 230 V	50 Hz
Brazil	ANATEL Resolution 506	919.80 MHz, 921.40 MHz	127 V, 220 V	60 Hz
British Virgin Islands	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V	60 Hz
Canada	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
Cayman Islands	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
CEPT* Cyprus Moldova	EN 300 220 EN 300 220 EN 300 220	868.40 MHz, 869.85 MHz 868.40 MHz, 869.85 MHz 868.40 MHz, 869.85 MHz	230 V 240 V 220 V	50 V 50 V 50 V
Chile	AS/NZS 4268	919.80 MHz, 921.40 MHz	220 V	50 Hz
China	CNAS/EN 300 220, CMIIT 2016DJ7232	868.40 MHz	220 V	50 Hz
Colombia	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V	60 Hz
Costa Rica	ARIB T96, ARIB STD-T108	922.50 MHz, 923.90 MHz, 926.30 MHz	120 V	60 Hz
Ecuador	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
Egypt	ETSI EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
El Salvador	AS/NZS 4268	919.80 MHz, 921.40 MHz	115 V	60 Hz
EU	EN 300 220	868.40 MHz, 869.85 MHz		
French Dept. of Guiana	ETSI EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
Georgia	ETSI EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
Guatemala	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
Haiti	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V	60 Hz
Honduras	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V	60 Hz
Hong Kong (China)	HKTA 1035	919.80 MHz	220 V	50 Hz
India	CSR 564 (E)	865.20 MHz	230 V	50 Hz
Indonesia	ETSI EN 300 200	868.40 MHz, 869.85 MHz	230 V	50 Hz
Israel		916.00 MHz	230 V	50 Hz
Jamaica	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V	50 Hz
Japan **	ARIB STD-T108	922.50 MHz, 923.90 MHz, 926.30 MHz	100 V	50 Hz, 60 Hz

COUNTRY/REGION	STANDARD	Z-WAVE FREQUENCY	RESIDENTIAL VOLTAGE	FREQUENCY
Jordan	ETSI EN 300 220	868.40 MHz, 869.85 MHz	230 V	50 Hz
Kazakhstan	ETSI EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
Kuwait	CITRA	868.40 MHz, 869.85 MHz	240 V	50 Hz
Lebanon	ETSI EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
Libya	ETSI EN 300 220	868.40 MHz, 869.85 MHz	127 V	50 Hz
Macau		920.90 MHz, 921.70 MHz, 923.10 MHz	230 V	50 Hz
Malaysia	MCMC MTSFB TC T007:2014	919.80 MHz, 921.40 MHz	230 V	50 Hz
Mauritius	ETSI EN 300 220	868.40 MHz, 869.85 MHz	230 V	50 Hz
Mexico	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	127 V	60 Hz
Morocco	ETSI EN 300 220	868.40 MHz, 869.85 MHz	127 V, 220 V	50 Hz
New Zealand	AS/NZS 4268	921.40 MHz, 919.80 MHz	230 V	50 Hz
Nicaragua	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
Nigeria	ETSI EN 300 220	868.40 MHz, 869.85 MHz	240 V	50 Hz
Oman	ETSI EN 300 220	868.40 MHz, 869.85 MHz	240 V	50 Hz
Panama	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V, 120 V	60 Hz
Paraguay	AS/NZS 4268	919.80 MHz, 921.40 MHz	220 V	50 Hz
Peru	AS/NZS 4268	919.80 MHz, 921.40 MHz	220 V	60 Hz
Philippines	ETSI EN 300 220	868.40 MHz, 868.42 MHz, 869.85 MHz	220 V	60 Hz
Qatar	ETSI EN 300 220	868.40 MHz, 869.85 MHz	240 V	50 Hz
Russian Federation	GKRCh/ETSI 300 220	869.00 MHz	230 V	50 Hz
Saudi Arabia	ETSI EN 300 220	868.40 MHz, 869.85 MHz	127 V, 220 V	60 Hz
Singapore	Clause 2, Article 58-2 of Radio Waves Act	920.90 MHz, 921.70 MHz, 923.10 MHz	230 V	50 Hz
South Africa	ICASA/ETSI 300 220	868.40 MHz, 869.85 MHz	230 V	50 Hz
Republic of Korea	Clause 2, Article 58-2 of Radio Waves Act	920.90 MHz, 921.70 MHz, 923.10 MHz	220 V	60 Hz
St Kitts & Nevis	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V, 230 V	60 Hz
Suriname	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	127 V	60 Hz
Taiwan	NCC/LP0002	920.90 MHz, 921.70 MHz, 923.10 MHz	110 V	60 Hz
Trinidad & Tabago	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	115 V	60 Hz
Turkmenistan	EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
Turks & Caicos Islands	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	110 V, 120 V	60 Hz
United Arab Emirates	ETSI EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
Uruguay	AS/NZS 4268	919.80 MHz, 921.40 MHz	230 V	50 Hz
USA	FCC CFR47 Part 15.249	908.40 MHz, 916.00 MHz	120 V	60 Hz
Uzbekistan	ETSI EN 300 220	868.40 MHz, 869.85 MHz	220 V	50 Hz
Yemen	ETSI EN 300 220	868.40 MHz, 869.85 MHz	230 V	50 Hz

* CEPT is the European regional organisation dealing with postal and telecommunications issues and presently has 45 Members: Albania, Andorra, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Moldova, Montenegro, Monaco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, The former Yugoslav Republic of Macedonia, Turkey, Ukraine, United Kingdom, and Vatican.

** In February 2012, Japanese regulatory body ARIB (Association of Radio Industries and Businesses) released new 920 MHz frequency band for radio equipment, due to LTE rollout. The 950 MHz frequency band will be obsolete by end of 2016.