

Magellan's Adaptor Plugs:

| Socket Shape | A | C | D | E | F | H | I | J | K | S |
|---------------------------|---|---|---|---|---|---|---|--|---|---|
| Grounded Plug Pattern |  |  |  |  |  |  |  |  |  |  |
| Non-Grounded Plug Pattern |  |  |  |  | Use Grounded Plug EA23MFG | Use Grounded Plug EA23MHG |  |  |  |  |

Electrical Standards by Country:

| Country | Voltage/Freq | Socket | Non-Grounded Adaptors | Grounded Adaptors | Notes | Country | Voltage/Freq | Socket | Non-Grounded Adaptors | Grounded Adaptors | Notes | Country | Voltage/Freq | Socket | Non-Grounded Adaptors | Grounded Adaptors | Notes |
|--------------------|--------------|--------|-----------------------|-------------------|-------|----------------------|--------------|--------|-----------------------|-------------------|-------|---------------------------|--------------|---------|-----------------------|-------------------|-------|
| Afghanistan | 220/50 | F | EA23MFG | EA23MFG | | Guyana | 120/50 | C | EA351C | EA23MCG | | Poland | 220/50 | D | EA351D | EA23MDG | 1 |
| Albania | 220/50 | D | EA351D | EA23MDG | | | 240/50 | A | EA351A | EA23MAG | | Portugal | 220/50 | D | EA351D | EA23MDG | |
| Algeria | 220/50 | F | EA23MFG | EA23MFG | | Haiti | 110/60 | A | EA351A | EA23MAG | | Puerto Rico | 120/60 | A | EA351A | EA23MAG | |
| Andorra | 220/50 | D | EA351D | EA23MDG | | Honduras | 110/60 | A | EA351A | EA23MAG | | Qatar | 240/50 | C | EA351C | EA23MCG | |
| Angola | 220/50 | D | EA351D | EA23MDG | 1 | Hong Kong | 230/50 | C | EA351C | EA23MCG | | Romania | 220/50 | D | EA351D | EA23MDG | 1 |
| Antigua | 230/60 | C | EA351C | EA23MCG | | Hungary | 220/50 | D | EA351D | EA23MDG | | Russia | 220/50 | D | EA351D | EA23MDG | 1 |
| Argentina | 110/60 | A | EA351A | EA23MAG | | Iceland | 220/50 | D | EA351D | EA23MDG | | Rwanda | 220/50 | D | EA351D | EA23MDG | 1 |
| | 220/50 | E | EA351E | EA23MEG | 1 | India | 230/50 | F | EA23MFG | EA23MFG | 1 | St. Kitts-Nevis | 220/60 | C | EA351C | EA23MCG | |
| Armenia | 220/50 | D | EA351D | EA23MDG | | | 220/50 | C | EA351C | EA23MCG | | St. Lucia | 240/50 | C | EA351C | EA23MCG | |
| Australia | 240/50 | E | EA351E | EA23MEG | | Indonesia | 220/50 | D | EA351D | EA23MDG | 1 | St. Maarten | 220/50 | D | EA351D | EA23MDG | |
| Austria | 220/50 | D | EA351D | EA23MDG | 1 | | 110/50 | D | EA351D | EA23MDG | | St. Vincent/Grenadines | 220/50 | C | EA351C | EA23MCG | |
| Azerbaijan | 220/50 | D | EA351D | EA23MDG | | Iran | 220/50 | D | EA351D | EA23MDG | 1 | | A | EA351A | EA23MAG | | |
| Bahamas | 120/60 | A | EA351A | EA23MAG | | Iraq | 220/50 | C | EA351C | EA23MCG | | Samoa, American | 120/60 | A | EA351A | EA23MAG | 1 |
| Bahrain | 220/50 | C | EA351C | EA23MCG | | | 220/50 | D | EA351D | EA23MDG | | | 220/50 | E | EA351E | EA23MEG | |
| Bangladesh | 220/50 | F | EA23MFG | EA23MFG | | Ireland, Northern | 220/50 | C | EA351C | EA23MCG | | | D | EA351D | EA23MDG | | |
| | | D | EA351D | EA23MDG | | Ireland, Republic of | 230/50 | C | EA351C | EA23MCG | | Samoa, Western | 220/50 | E | EA351E | EA23MEG | |
| | | C | EA351C | EA23MCG | | Israel | 230/50 | D | EA351D | EA23MJG | 1 | San Marino | 220/50 | D | EA351D | EA23MIG | |
| Barbados | 115/50 | A | EA351A | EA23MAG | | Italy | 220/50 | D | EA351D | EA23MDG | | Sao Tome and Principe | 220/50 | D | EA351D | EA23MDG | |
| Belarus | 220/50 | D | EA351D | EA23MDG | | Ivory Coast | 220/50 | D | EA351D | EA23MDG | 1 | Saudi Arabia | 110/60 | A | EA351A | EA23MAG | |
| Belgium | 230/50 | D | EA351D | EA23MDG | 1 | Jamaica | 110/50 | A | EA351A | EA23MAG | | | 220/50 | D | EA351D | EA23MDG | |
| Belize | 110/60 | A | EA351A | EA23MAG | | Japan | 100/60 | A | EA351A | EA23MAG | 1 | Scotland | 220/50 | C | EA351C | EA23MCG | |
| | 220/60 | C | EA351C | EA23MCG | | Okinawa Prefectorate | 100/60 | A | EA351A | EA23MAG | | Senegal | 220/50 | D | EA351D | EA23MDG | |
| Benin | 220/50 | F | EA23MFG | EA23MFG | | | 100/60 | E | EA351E | EA23MEG | | | F | EA23MFG | EA23MFG | | |
| | | D | EA351D | EA23MDG | | Jordan | 220/50 | C | EA351C | EA23MCG | | Serbia/Montenegro | 220/50 | D | EA351D | EA23MDG | 1 |
| Bermuda | 120/60 | C | EA351C | EA23MCG | | | 220/50 | D | EA351D | EA23MDG | | Seychelles | 220/50 | C | EA351C | EA23MCG | |
| | | A | EA351A | EA23MAG | | Kampuchea | 220/50 | D | EA351D | EA23MDG | 1 | | F | EA23MFG | EA23MFG | | |
| Bhutan | 220/50 | F | EA23MFG | EA23MFG | | | 110/60 | A | EA351A | EA23MAG | | Sierra Leone | 220/50 | C | EA351C | EA23MCG | |
| | | C | EA351C | EA23MCG | | Kazakhstan | 220/50 | D | EA351D | EA23MDG | | Singapore | 230/50 | C | EA351C | EA23MCG | 1 |
| | | D | EA351D | EA23MDG | | Kenya | 220/50 | C | EA351C | EA23MCG | | Slovak Republic | 220/50 | D | EA351D | EA23MDG | |
| Bolivia | 110/50 | A | EA351A | EA23MAG | 1 | | 220/50 | F | EA23MFG | EA23MFG | | Slovenia | 220/50 | D | EA351D | EA23MDG | |
| | 220/50 | D | EA351D | EA23MDG | | Kiribati | 220/50 | E | EA351E | EA23MEG | | Solomon Islands | 220/50 | E | EA351E | EA23MEG | |
| Bosnia/Herzegovina | 220/50 | D | EA351D | EA23MDG | 1 | | 110/60 | A | EA351A | EA23MAG | | Somalia | 220/50 | D | EA351D | EA23MDG | 1 |
| Botswana | 220/50 | C | EA351C | EA23MCG | | | 110/60 | A | EA351A | EA23MAG | | South Africa, Republic of | 220/50 | H | EA23MHG | EA23MHG | |
| | | F | EA23MFG | EA23MFG | | Korea, Dem. | 220/50 | D | EA351D | EA23MDG | | | C | EA351C | EA23MCG | | |
| Brazil | 110/60 | A | EA351A | EA23MAG | 1 | | 110/60 | A | EA351A | EA23MAG | | Spain | 220/50 | D | EA351D | EA23MDG | 1 |
| | 220/60 | D | EA351D | EA23MDG | | Korea, Rep. | 220/60 | D | EA351D | EA23MDG | | | 110/50 | | | | |
| Brunei | 240/50 | C | EA351C | EA23MCG | | | 240/50 | C | EA351C | EA23MCG | | Sri Lanka | 230/50 | F | EA23MFG | EA23MFG | |
| Bulgaria | 220/50 | D | EA351D | EA23MDG | | Kuwait | 240/50 | D | EA351D | EA23MDG | | | D | EA351D | EA23MDG | | |
| Burkina Faso | 220/50 | D | EA351D | EA23MDG | | | | D | EA351D | EA23MDG | | Sudan | 240/50 | C | EA351C | EA23MCG | |
| Burma | 220/50 | C | EA351C | EA23MCG | 1 | Kyrgyz Rep. | 220/50 | D | EA351D | EA23MDG | | | D | EA351D | EA23MDG | | |
| | | D | EA351D | EA23MDG | | Laos | 220/50 | A | EA351A | EA23MAG | | Surinam | 120/60 | D | EA351D | EA23MDG | 1 |
| | | F | EA23MFG | EA23MFG | | Latvia | 220/50 | D | EA351D | EA23MDG | 1 | Swaziland | 220/50 | H | EA23MHG | EA23MHG | |
| Burundi | 220/50 | D | EA351D | EA23MDG | | | | D | EA351D | EA23MDG | | | D | EA351D | EA23MDG | | |

| | | | | | |
|--------------------------|------------------|------------------|--------------------------------------|-------------------------------|---|
| Cambodia | 220/50 110/60 | D A C | EA351D EA351A EA351C | EA23MDG EA23MAG EA23MCG | 1 |
| Cameroon | 220/50 | D | EA351D | EA23MDG | 1 |
| Canada | 110/60 | A | EA351A | EA23MAG | |
| Canary Islands | 220/50 | D | EA351D | EA23MDG | |
| Cape Verde, Republic of | 220/50 | D | EA351D | EA23MDG | |
| Cayman Islands | 120/60 | A | EA351A | EA23MAG | |
| Central African Republic | 220/50 | D | EA351D | EA23MDG | 1 |
| Chad | 220/50 | D F | EA351D EA23MFG | EA23MDG EA23MFG | |
| Chile | 220/50 | D | EA351D | EA23MIG | 1 |
| China | 220/50 | E C D A | EA351E EA351C EA351D EA351A | EA23MEG EA23MCG EA23MDG | |
| Hong Kong Region | 230/50 | C F | EA351C EA23MFG | EA23MCG EA23MFG | |
| Colombia | 110/60 | A | EA351A | EA23MAG | 1 |
| Comoros | 220/50 | D | EA351D | EA23MDG | |
| Congo | 220/50 | D | EA351D | EA23MDG | 1 |
| Congo, Dem. Rep. | 220/50 | D | EA351D | EA23MDG | |
| Cook Islands | 240/50 | E | EA351E | EA23MEG | |
| Costa Rica | 120/60 | A | EA351A | EA23MAG | |
| Croatia | 220/50 | D | EA351D | EA23MDG | |
| Cuba | 110/60 220/60 | A D | EA351A EA351D | EA23MAG EA23MIG | 1 |
| Cyprus | 220/50 | C | EA351C | EA23MCG | 1 |
| Czech Rep. | 220/50 | D | EA351D | EA23MDG | |
| Denmark | 230/50 | D | EA351D | EA23MKG | 1 |
| Djibouti | 220/50 | D | EA351D | EA23MDG | |
| Dominica | 230/50 | C F | EA351C EA23MFG | EA23MCG EA23MFG | |
| Dominican Republic | 110/60 | A | EA351A | EA23MAG | |
| Ecuador | 120/60 | A | EA351A | EA23MAG | 1 |
| Egypt | 220/50 | D | EA351D | EA23MDG | 1 |
| El Salvador | 115/60 | A D | EA351A EA351D | EA23MAG EA23MDG | |
| England | 220/50 | C | EA351C | EA23MCG | |
| Equatorial Guinea | 220/50 | D | EA351D | EA23MDG | 1 |
| Eritrea | 220/50 | D | EA351D | EA23MIG | 1 |
| Estonia | 220/50 | D | EA351D | EA23MDG | 1 |
| Ethiopia | 220/50 | D F | EA351D EA23MFG | EA23MIG EA23MFG | |
| Fiji | 240/50 | E | EA351E | EA23MEG | |
| Finland | 220/50 | D | EA351D | EA23MDG | |
| France | 230/50 | D | EA351D | EA23MDG | |
| French Guiana | 220/50 | D | EA351D | EA23MDG | 1 |
| French Polynesia | 220/60 | D | EA351D | EA23MDG | |
| Gabon | 110/60 | A | EA351A | EA23MAG | |
| Gambia | 220/50 | D | EA351D | EA23MDG | 1 |
| Georgia | 220/50 | C | EA351C | EA23MCG | |
| Germany | 220/50 | D | EA351D | EA23MDG | |
| Ghana | 220/50 | C D F | EA351C EA351D EA23MFG | EA23MCG EA23MDG EA23MFG | |
| Gibraltar | 240/50 | C D | EA351C EA351D | EA23MCG EA23MDG | |
| Greece | 220/50 | D | EA351D | EA23MDG | 1 |
| Greenland | 220/50 | D | EA351D | EA23MDG | |
| Grenada | 220/50 | C D F | EA351C EA351D EA23MFG | EA23MCG EA23MDG EA23MFG | |
| Guadeloupe | 220/50 | D | EA351D | EA23MDG | 1 |
| Guam | 110/60 | A | EA351A | EA23MAG | |
| Guatemala | 120/60 | A | EA351A | EA23MAG | |
| Guinea | 220/50 | D | EA351D | EA23MDG | 1 |
| Guinea-Bissau | 220/50 | D | EA351D | EA23MDG | |

| | | | | | |
|------------------|------------------|-------------|-----------------------------|-------------------------------|---|
| Lebanon | 220/50 110/50 | D A | EA351D EA351A | EA23MDG EA23MDG | 1 |
| Lesotho | 220/50 | H | EA23MHG | EA23MHG | |
| Liberia | 120/60 | C | EA351C | EA23MCG | |
| Libya | 120/60 220/50 | A D | EA351A EA351D | EA23MCG EA23MCG | |
| Libya | 127/50 230/50 | D F | EA351D EA23MFG | EA23MDG EA23MFG | |
| Liechtenstein | 220/50 | D | EA351D | EA23MSG | |
| Lithuania | 220/50 | D | EA351D | EA23MDG | 1 |
| Luxembourg | 220/50 | D | EA351D | EA23MDG | 1 |
| Macao | 200/50 | F | EA23MFG | EA23MFG | |
| Macedonia | 220/50 | C | EA351C | EA23MCG | |
| Madagascar | 220/50 | D | EA351D | EA23MDG | |
| Madagascar | 220/50 | D | EA351D | EA23MDG | 1 |
| Madeira | 220/50 | F | EA23MFG | EA23MFG | |
| Malawi | 230/50 | C | EA351C | EA23MCG | |
| Malaysia | 240/50 | C | EA351C | EA23MCG | |
| Maldives | 220/50 | F | EA23MFG | EA23MFG | |
| Mali | 220/50 | D | EA351D | EA23MDG | 1 |
| Malta | 220/50 | C | EA351C | EA23MCG | |
| Martinique | 220/50 | D | EA351D | EA23MDG | 1 |
| Martinique | 220/50 | F | EA23MFG | EA23MFG | |
| Mauritania | 220/50 | D | EA351D | EA23MDG | 1 |
| Mauritius | 220/50 | C | EA351C | EA23MCG | |
| Mexico | 120/60 | A | EA351A | EA23MAG | |
| Micronesia | 120/60 | A | EA351A | EA23MAG | |
| Moldova | 220/50 | D | EA351D | EA23MDG | |
| Monaco | 220/50 | D | EA351D | EA23MDG | 1 |
| Mongolia | 220/50 | F | EA23MFG | EA23MFG | |
| Mongolia | 220/50 | D | EA351D | EA23MDG | 1 |
| Montserrat | 230/60 | A | EA351A | EA23MAG | 1 |
| Morocco | 220/50 | D | EA351D | EA23MDG | |
| Mozambique | 220/50 | F | EA23MFG | EA23MFG | |
| Mozambique | 220/50 | D | EA351D | EA23MDG | 1 |
| Myanmar | 220/50 | H C D | EA23MHG EA351C EA351D | EA23MHG EA23MCG EA23MDG | |
| Myanmar | 220/50 | D | EA351D | EA23MDG | 1 |
| Namibia | 220/50 | F H | EA23MFG EA23MHG | EA23MFG EA23MHG | |
| Namibia | 220/50 | F | EA23MFG | EA23MFG | |
| Nauru | 220/50 | D | EA351D | EA23MDG | |
| Nauru | 220/50 | E | EA351E | EA23MEG | |
| Nepal | 220/50 | F | EA23MFG | EA23MFG | |
| Nepal | 220/50 | D | EA351D | EA23MDG | |
| Netherlands | 230/50 | D | EA351D | EA23MDG | 1 |
| Neth. Antilles | 220/50 | D | EA351D | EA23MDG | 1 |
| Neth. Antilles | 110/50 | A | EA351A | EA23MAG | |
| New Caledonia | 220/50 | D | EA351D | EA23MDG | 1 |
| New Zealand | 230/50 | E | EA351E | EA23MEG | |
| Nicaragua | 120/60 | A | EA351A | EA23MAG | |
| Nicaragua | 120/60 | A | EA351A | EA23MAG | |
| Niger | 220/50 | D | EA351D | EA23MDG | 1 |
| Nigeria | 230/50 | C F | EA351C EA23MFG | EA23MCG EA23MFG | |
| Norway | 230/50 | D | EA351D | EA23MDG | 1 |
| Oman | 240/50 | C | EA351C | EA23MCG | 1 |
| Oman | 240/50 | D | EA351D | EA23MDG | |
| Pakistan | 230/50 | F | EA23MFG | EA23MFG | |
| Pakistan | 230/50 | D | EA351D | EA23MDG | |
| Panama | 120/60 | A | EA351A | EA23MAG | |
| Panama | 120/60 | E | EA351E | EA23MEG | |
| Papua New Guinea | 240/50 | E | EA351E | EA23MEG | |
| Paraguay | 220/50 | D | EA351D | EA23MDG | 1 |
| Peru | 110/60 220/60 | A D | EA351A EA351D | EA23MAG EA23MDG | 1 |
| Philippines | 220/60 | A D | EA351A EA351D | EA23MAG EA23MDG | |

| | | | | | |
|--------------------------|------------------|-------------|-----------------------------|-------------------------------|---|
| Switzerland | 230/50 | D | EA351D | EA23MSG | |
| Syria | 220/50 | D | EA351D | EA23MDG | 1 |
| Taiwan | 110/60 | A | EA351A | EA23MAG | |
| Tajikistan | 220/50 | D | EA351D | EA23MDG | |
| Tanzania | 230/50 | C F | EA351C EA23MFG | EA23MCG EA23MFG | |
| Thailand | 220/50 | D A | EA351D EA351A | EA23MDG EA23MAG | 1 |
| Tibet | 220/50 | D | EA351D | EA23MDG | 1 |
| Tibet | 220/50 | E | EA351E | EA23MEG | |
| Togo | 220/50 | D | EA351D | EA23MDG | 1 |
| Tonga | 240/50 | E F D | EA351E EA23MFG EA351D | EA23MEG EA23MFG EA23MDG | |
| Trinidad & Tobago | 110/60 220/50 | A C F | EA351A EA351C EA23MFG | EA23MAG EA23MCG EA23MFG | |
| Tunisia | 220/50 | D | EA351D | EA23MDG | 1 |
| Turkey | 220/50 | D | EA351D | EA23MDG | 1 |
| Turkmenistan | 220/50 | D | EA351D | EA23MDG | |
| Turks & Caicos Islands | 120/60 | A | EA351A | EA23MAG | |
| Tuvalu | 220/50 | E | EA351E | EA23MEG | |
| Uganda | 220/50 | C F | EA351C EA23MFG | EA23MCG EA23MFG | |
| Ukraine | 220/50 | D | EA351D | EA23MDG | |
| United Arab Emirates | 220/50 | C F | EA351C EA23MFG | EA23MCG EA23MFG | |
| USA | 110/60 | A | EA351A | EA23MAG | |
| Uruguay | 220/50 | E D | EA351E EA351D | EA23MEG EA23MIG | 1 |
| Uzbekistan | 220/50 | D | EA351D | EA23MDG | |
| Vanuatu | 220/50 | E C D | EA351E EA351C EA351D | EA23MEG EA23MCG EA23MDG | 1 |
| Venezuela | 120/60 | A | EA351A | EA23MAG | 1 |
| Vietnam | 220/50 110/60 | D A C | EA351D EA351A EA351C | EA23MDG EA23MAG EA23MCG | 1 |
| Virgin Islands (British) | 110/60 | A C | EA351A EA351C | EA23MAG EA23MCG | |
| Virg. Isl.(US) | 110/60 | A | EA351A | EA23MAG | |
| Wales | 220/50 | C | EA351C | EA23MCG | |
| Yemen | 220/50 | C F A | EA351C EA23MFG EA351A | EA23MCG EA23MFG EA23MAG | |
| Zambia | 220/50 | C D | EA351C EA351D | EA23MCG EA23MDG | 1 |
| Zimbabwe | 220/50 | D F | EA351D EA23MFG | EA23MDG EA23MFG | |

Notes:

In countries where multiple adaptors are listed, the most common configuration is listed first. Wise travelers prepare for all possibilities.

(1) Not all electrical sockets in these countries provide grounding.

Please Note: Electrical adaptor plugs do not change voltage (e.g. from 220 volts to 110 volts for North American appliances). If your appliance is not designed to operate on 220 volt systems found overseas, you will need a step-down transformer. If your appliance has three pins we recommend that you use a grounded adaptor plug. Grounding helps protect you from shock if your appliance is damaged and an electrical short occurs. In areas where grounded sockets are not available you may choose to bypass the grounding pin and use your appliance without the protection of a grounded socket.