

Common HF Antennas

| Type | Advantages | Disadvantages | Bands | Commonly |
|-----------------------|---|---|--------|----------|
| Dipole (mono-band) | Simple | Size can be large | | |
| Horizontal | Can be homemade | Requires 2 or 3 supports | 160-10 | |
| Inverted "V" | Can be homemade | Requires a support | 160-10 | 80-30 |
| Dipole (multi-band) | Operating convenience | | | |
| Spider | Can be homemade | Requires supports | 80-10 | 80-30 |
| Trap | Shorter length | Supports, cost | 80-10 | 80-40 |
| Vertical (mono-band) | Can be homemade, small footprint | Requires radials | 80-10 | |
| Vertical (multi-band) | Shorter height, small footprint | Radials, cost, lower performance | 80-10 | 40-10 |
| Beam (mono-band) | High Performance | | | |
| Yagi | Can be homemade, 2-dimensional | Requires support, rotator, cost | 20-10 | |
| Quad | Can be homemade | Requires support, rotator, cost, 3-dimensional | 20-10 | |
| Delta | Can be homemade | Requires support, rotator, cost, 3-dimensional | 20-10 | |
| Beam (multi-band) | Good Performance, operating convenience | | | |
| Yagi (traps) | Smaller size, convenience | Requires support, rotator, cost | 20-10 | 20-10 |
| Quad | Can be homemade | Requires support, rotator, cost, complexity | 20-10 | |
| Log Periodic | Wide bandwidth | Requires support, rotator, cost, low performance | 30-10 | |
| Wire (non-resonant) | Simple, homemade | Requires supports, antenna tuner, low performance | 160-10 | 160-30 |
| Isotron | Compact | Low performance, high interference potential | 160-10 | |