



Solar powered emergency radio

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From the storm cellar to the mountains, we carefully researched and tested the best emergency radios to find the perfect options for your bug-out bag or severe weather kit. Knowing what's coming is essential to emergency preparedness, and we've tested close to 25 of these receivers to find the top 11 available today.

There's a wide range of radios available, from top picks like the Midland ER210 to more budget-friendly options like the RunningSnail Weather Radio, and we covered the spread in our testing. From timing battery lives to challenging NOAA weather reception from fire lookouts, we dug into the details to understand these radios.

A good emergency radio can be a great investment, and these are the best we've come across. To learn more about what makes them tick, consult our comprehensive Buyer's Guide, Comparison Chart, and Price & Value sections.

Editor's Note: We updated our Emergency Radios guide on September 24, 2024, to add additional details to our testing regimen and a new Price & Value section.

For most folks, the Midland ER210 E+READY Radio (\$50) is going to be the best emergency radio out there today. It's a mobile unit from a trusted brand, tucks away a good-sized rechargeable battery, and sports all of the functionality we're after. If you need a one-and-done (and forget about it) option, this radio has you covered.

Let's cover the spread here: the ER210 lands just about in the middle of Midland's emergency radio offerings (between the ER310 and the pocket-sized ER50), and it receives the standard AM/FM signals as well as National Oceanic and Atmospheric Association (NOAA) channels. There's a handy auto-scan that will find the best weather signal for your location, and you can also set it to alert you to severe weather risks in your area.

The large backlit LCD display can show the radio station, time, and weather channels. We especially like the attention to small details, like the SOS emergency flashlight. The 130-lumen LED light has an SOS strobe to call for help in emergency situations. Also, the loop on the end makes it easy to fix onto a backpack and lets the solar panel soak up the sun during a hike.

Stacked up side-by-side with other radios in our reception test (where we hike to a fire lookout tower and scan for signal), the Midland radios consistently had a slightly better pickup than other options out there. And while some radios only incorporate rechargeable batteries to stay going, you get all three styles here (batteries, solar cell, and hand crank).



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To be sure, there are more featured radios out there, but the features that you do get added on top (such as the Bluetooth speaker connectivity of the Eton Odyssey or the S.A.M.E. localized weather alerts on the Midland WR210) aren't essentials in our opinion. The tradeoffs in the ER210 are where it counts, and it's got a larger battery than the feature-rich Odyssey, and is far more portable than the home-station WR210.

Even if the ER210 doesn't contain a dog whistle for that extra level of shrill emergency sound, it has enough features to keep you engaged and learning. With several power options and additional features that can help in an emergency, we think the ER210 is the best emergency radio available today.

It would be hard to find an emergency radio that provides more bang for your buck. The RunningSnail Solar Crank NOAA Weather Radio (\$36) provides pretty much all of the features of name-brand radios but at a lower price. The fit and finish aren't quite there, but after a few years of use now, we haven't been able to find a weak spot.

The radio tunes in to all of the NOAA weather stations and AM/FM radio. Plus, it can be set to alert you to severe weather, hurricanes, and tornadoes in your area. The slight downside here is that the radio receiver is an analog one -- which is common for lower-end radios but is less refined than digital options and more difficult to tune into exact frequencies.

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