

# CHALLENGE #3:

Check the heat tolerance limits of an AR9000 DSM<sup>®</sup> receiver.

## THE RESULT:

The AR9000 functions normally up to approximately 307°F, at which point its plastic case has become severely distorted.

Summer's a great time for RC, but its higher temperatures can cause problems with RC equipment—especially in large models with internal, can-system silencing.

And although we were confident there'd be no heat-related problems with Spektrum<sup>™</sup> DSM receivers, we decided it wouldn't be a bad idea to test one to the point of failure.

So an experiment was arranged with an AR9000 placed in a thermal test chamber, with all the other gear—battery, servos and temperature sensor-display—located outside on extensions so any heat-related failure would be confined to the receiver itself.

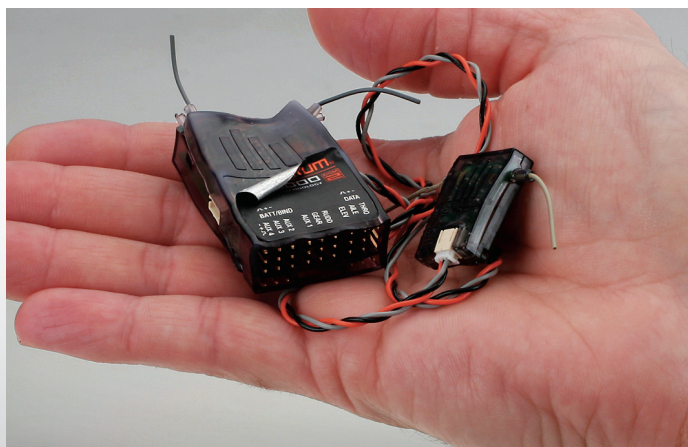
We expected good results, but we ended up with *astounding* results.

Because, even though the smell of hot plastic had become quite strong, the test receiver was operating properly until the temperature in the chamber

had reached 307° and the receiver's case had sustained the severe distortion you see in the photo!

Of course you'll never mistreat your gear this badly. But it's still kind of nice to know that your DSM gear will work in tough, high-temperature conditions—temperature conditions that'd even give your *model* heat stroke.

So what's the next challenge? Stay tuned. And in the meantime, just remember that DSM is the 2.4GHz technology that's here to stay and still the one to beat.



Spektrums AR9000 receiver worked fine until the case melted at 307°

Spektrum<sup>™</sup> DSM: Clearly different, clearly better.

  
SPEKTRUM  
DSM

  
JR  
DSM