



RDS in AIRCAST

RDS encoding means that the frequencies carrying the RDS signal are modulated onto the MPX signal. So this must usually be done by a piece of `_hardware_`. Sometimes even built into the actual transmitter.

Examples for RDS hardware encoders:

<http://www.devabroadcast.com/products/smartgen-41>

<https://www.pira.cz/rds/>

<https://www.worldcastsystems.com/en/c11p19/low-power-fm-transmitters/ecreso-fm-100w>
(FM transmitter)

Stereo Tool is an exception, it can generate MPX (with RDS) onto 96kHz sound card outputs and act as a hardware MPX/RDS encoder. But it's virtually the same thing as the hardware boxes above.

For dynamic content (radiotext or dynamic/scrolling PS), these boxes usually provide an interfaces where the automation system can inject the name of current song, e.g. via files, UDP, HTTP. Really depends on the exact model.

Then there are some models that don't offer that but only support the UECP protocol. UECP is the raw control protocol for RDS data. It's low level, which means that you must e.g. do the scrolling PS manually (send an updated PS string every few seconds).

AIRCASr does not support the UECP protocol directly. If your hardware encoder only accepts UECP, you must use a separate UECP software. (Confusingly, these applications are sometimes also called "RDS encoder software".)

That software, in turn, will be able to read song title metadata from AIRCAST, again via files, network etc.

So the short answer is: It really depends on the capabilities of the hardware RDS encoder you use. If you can send us details/specs of your encoder we might be able to help you further.

