

TechUpdate: Flash Player Support will stop by the end of 2020

1 Preface

Adobe Flash has been for a very long time the leadership technology for interactive web applications. RFmondial decided to use Adobe Flash of its “DRM/AM Monitoring Receiver Product Line RF-SE”, as at the time of development, it was the only web technology which could support its advanced local and remote user interface.

2 Flash Player Support of Browsers will stop by the end of 2020

As open standards like HTML5 have matured over the past years and now provide many of the capabilities and functionalities that plugins pioneered, Adobe has decided to stop updating and distributing the [Flash Player at the end of 2020](#). This includes the support of all major browsers, i.e. Chrome, Firefox, Edge, Safari, Internet Explorer.

3 Impact on RF-SE Monitoring receiver

The discontinuity of Flash support will affect the RF-SE monitoring receiver as follows:

- **Most important:** the monitoring functionality (e.g. RF measurements, content verification) of the RF-SE is not affected
- The local touch screen user interface will continue to work as an older browser version is installed locally on the devices
- **Major impact:** The remote user interface will not work anymore, i.e. no remote access via any major web-browser is possible
- Furthermore, no updates including any security patches can be performed anymore, as RFmondial will not supply a firmware update with discontinued technology

4 Upgrade Proposal to HTML5 Advanced User Interface

As the end of Flash had been announced in 2017, RFmondial has developed since then a fresh advanced user interface using state-of-the-art HTML5 technology, which natively runs in all major web-browsers. The development has been based on RFmondial’s long-term experience in the design of graphical measurement interfaces and has already been applied in the DAB monitoring receiver product line RF-DAB. The GUI upgrade will be applied with a completely new firmware installation, which includes other features as well. The major advantages of the upgrade proposal are as follows:

- **Most important:** Freshly designed HTML5 GUI
- Firmware is based on latest Ubuntu operating system
- Future proof usage of monitoring receiver hardware
- Software update support incl. security patches

