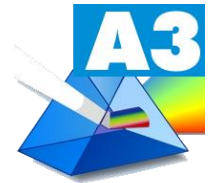


ATSC 3.0 Receiver and Analyzer Installation



1. Introduction

The *Atsc3Xpert*™ is DekTec's ATSC 3.0 Test Receiver application for demodulation, analysis and monitoring of ATSC 3.0 signals.

The *Atsc3Xpert* performs real-time demodulation of a ATSC 3.0 signal, with a user interface displaying signaling information and statistics. The demodulated stream is output on IP or recorded to an IP-capture file. The IP-capture file can be played out through the *Atsc3Xpress*.

The *Atsc3Xpert* uses DekTec's DTA-2131 or DTU-331 SDR receiver card and requires the *DTC-320-SX* and *DTC-360-RXA* licenses installed or the *DTC-344-XPRT* license installed.

A setup program is available for easy installation or upgrading of the *Atsc3Xpert* software.

2. System Requirements

Platform	Windows 10, 11
Processor*	Core i5 4 th generation minimum Core i7 4 th generation recommended
RAM	2 GB

* Or equivalent AMD processor

3. Files

The [Atsc3Xpert.zip](#) archive contains the following files:

DTC-341 Atsc3Xpert Installation.pdf	This document
Atsc3Xpert Setup.exe	Setup program for <i>Atsc3Xpert</i>

4. Installing the Software

The following install steps should be executed:

1. Extract [Atsc3Xpert.zip](#) into a temporary folder.
2. Run [Atsc3Xpert Setup.exe](#) to install *Atsc3Xpert*.
3. Optionally install appropriate license(s) through *DtInfo*. The *DtInfo* utility can be downloaded [here](#).

Atsc3Xpert can now be started using the desktop shortcut.

5. Limitations and Known Issues

No known issues.

6. Revision History

Revision	Date	Change Description
v1.22.0.36	2023.11.08	<ul style="list-style-type: none"> Added support for DTA-2131B
v1.21.0.35	2023.06.22	<ul style="list-style-type: none"> Added support for DTU-331
v1.20.3.32	2022.06.15	<ul style="list-style-type: none"> Fix for StreamXpert v2.17.0 doesn't start when clicking the "Start forwarding to StreamXpert" button
v1.20.2.31	2021.02.11	<ul style="list-style-type: none"> Improved locking
v1.20.0.29	2020.11.06	<ul style="list-style-type: none"> Added Analyze in StreamXpert option that configures StreamXpert and forwards the ALP-packets
v1.19.0.28	2019.12.06	<ul style="list-style-type: none"> Added support for MPEG-TS recording
v1.18.0.27	2019.09.20	<ul style="list-style-type: none"> Added support for Raw-IP and Ethernet PCAP file capture Added support for large ALP-packets
v1.17.0.26	2019.08.01	<ul style="list-style-type: none"> Added option to include all PLPs in recorded file and/or forwarded IP Improved tolerance to adjacent channel interference
v1.16.0.24	2018.07.23	<ul style="list-style-type: none"> Added support for "Korean Mode", if enabled, LMT ALP-packets will be de-encapsulated according the 2016 specification
v1.15.0.23	2018.05.30	<ul style="list-style-type: none"> Added option for ALP-recording Added option for 7MHz and 8MHz bandwidth
v1.14.0.22	2018.04.09	<ul style="list-style-type: none"> Added L1-Detail version 1
v1.13.1.21	2018.01.16	<ul style="list-style-type: none"> Improved MER computation Fixed ALP-packet decoding
v1.13.0.20	2017.05.04	<ul style="list-style-type: none"> Added TxID support IP-Forwarding option is saved in configuration
v1.11.0.16	2017.03.02	<ul style="list-style-type: none"> Added MER Improved Lock/Unlock indication Widen the impulse response range Fixed crash with guard interval 12 Shortened LDPC history
v1.10.0.14	2016.12.22	<ul style="list-style-type: none"> Incorporated latest specification updates Fixed ROUTE/MMT forwarding Fixed decoding of enhanced PLP with multiple core PLPs
v1.8.0.12	2016.10.06	<ul style="list-style-type: none"> Improved stability Improved performance
v1.3.0.7	2016.08.29	<ul style="list-style-type: none"> Initial version

7. Contact Information

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