



WorldDMB ETI Library

Frequently Asked Questions

and

Terms and Conditions of Use



WorldDMB ETI Library

Frequently Asked Questions

What is an ETI File?

ETI files (Ensemble Transport Interface) provide a standardised (ETSI ETS 300 799) method for the distribution of a DAB, DAB⁺, DMB Ensemble from the output of a multiplexer to the input of a modulator/transmitter.

An ETI stream can be recorded at multiplexer/switch output and modulator/transmitter input it allows comprehensive analysis of the full ensemble, including: frame characteristics; timestamps; error status; signalling; as well as all audio, data and video services

ETI files can be analysed for diagnostics and test/development purposes and can also be replayed-into a modulator/transmitter to provide a local on-air signal for receiver testing, demonstrations and exhibitions.

What is the WorldDMB ETI Library?

The WorldDMB ETI Library is a user friendly online database of ETI files. It contains country snapshots of DAB, DAB⁺ and DMB (ETI files from different markets), ETI files configured with multiplexing equipment from specific manufacturers, as well as files that can be used for demonstration and testing purposes.

What benefits does the ETI Library offer Manufacturers?

By identifying and compiling the different multiplex solutions, the WorldDMB ETI Library assists receiver manufacturers in testing their products ensuring they include the minimum set of function requirements set out in the WorldDMB Receiver Profiles, making them compatible on a pan-European and worldwide basis.

A centralised database is especially important for receiver manufacturers producing products destined for multiple markets, specifically the car industry, where receivers must be harmonised for cross border use.

What benefits does the ETI Library offer Broadcasters?

Broadcasters can use the WorldDMB ETI files to check their own transmissions for conformity, further reducing the risk of inconsistent reception that could arise from complex configuration of the digital broadcasting systems, ensuring receivers operate correctly within their markets.

The Library is managed and feedback on files is given to broadcasters by the WorldDMB Technical Committee.

What files are currently available in the WorldDMB ETI Library?

Please see the PDF document on our website, which shows information on all of the files currently available in the WorldDMB ETI Library.

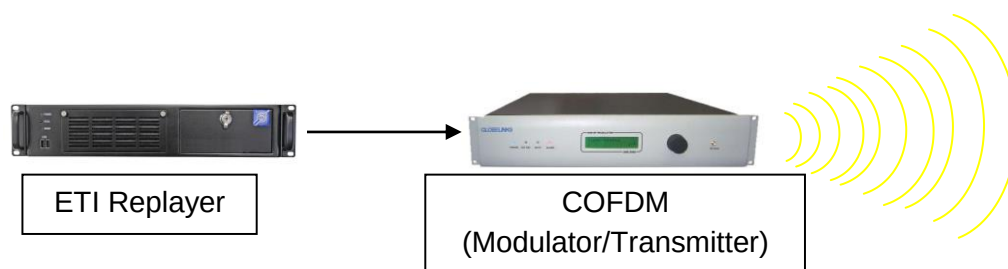
New files from around the world and from different manufacturers are added to the Library on a regular basis. If you have any specific service type or configuration requirements, the WorldDMB Technical Committee will make its best efforts to source these for you.

Is the WorldDMB ETI Library simple to use?

WorldDMB members can upload ETI files in to the Library, where there is a simple form to fill-in which gives information on the ETI files, so that the database can easily be searched. For example, the search engine in the Library allows you to search for files with FM, DAB service following.

What equipment do I need to replay ETI files?

To replay the ETI files to your DAB modulator, you will need an ETI Replayer.



Some modulator/ transmitters that are designed for testing purposes incorporate an internal ETI Player. To play the ETI file you must upload it onto the lab modulator/ transmitter (e.g., via network or USB memory stick) and the lab modulator/transmitter directly plays the ETI file.

What equipment do I need to record ETI files?

To record ETI files, you need an ETI Recorder.

WorldDMB Members providing ETI Recorders and Replayers are:

Digidia - www.digidia.fr

Factum - www.factum.se

IB-Mulka - www.ib-mulka.de

IZT - www.izt-labs.de

VDL - www.vdl-broadcast.com

WorldDMB Members providing Modulator/Transmitters with integrated ETI Player are:

Digidia - www.digidia.fr

Gates Air - www.gatesair.com

IZT - www.izt-labs.de

Rohde & Schwarz - www.rohde-schwarz.com

If I would like to contribute a file to the ETI Library how do I do this?

You will need to be a member of WorldDMB and have a member's login. To receive a members login please go to – <http://www.worldddab.org/register>

What is the format of ETI Files in the Library?

All ETI files must be submitted in the ETI (NI) format. A description of the file and its content should also be provided.

It should be noted that there are many different file formats for ETI files, so some files may need to be converted to ETI (NI) format.

How do I convert files into the ETI (NI) format?

Software is now available to all WorldDMB members in the Member's Section *Sharepoint* that converts most ETI file types to ETI (NI) format.

How can I access the WorldDMB ETI Library?

To access the WorldDMB ETI Library you must be a member of WorldDMB.

Can I access the WorldDMB ETI Library if I am not a WorldDMB Member?

No, this is a members-only benefit.

How do I become a member of WorldDMB?

To find out about the benefits of becoming a member of WorldDMB please visit our website <http://www.worldddab.org/membership> or contact our Marketing Membership Manager, Becky Keene: rebecca.keene@worldddab.org



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Terms and Conditions of Use

1. As a condition of downloading any ETI File, the user ("The User") undertakes to accept and abide by these Terms and Conditions.
2. ETI Files include combinations of individual files, any parts of files and all associated documentation which may be made available for download or distributed by WorldDMB whose registered address is c/o EBU, CH-1218, Grand-Saconnex GE, Switzerland, ("WorldDMB").
3. ETI Files made available through the WorldDMB website are offered to The User in good faith as a representation of known or typical transmission parameters and conditions, and are supplied expressly without warranty or guarantee of any kind. The World DMB Forum, its officers, members, agents and the creators of the sample ETI Files accept no responsibility either collectively or individually for any ETI File stored and offered for download within this website, for its correct technical performance or compliance with any relevant published standard, or for any damage that may occur to any system tested or operated using any ETI File.
4. Any non-compliance to any appropriate published standard should be reported directly and only to the WorldDMB Project Office with technical details of the suspected error. This will enable ETI Files to be checked and corrected where necessary to improve the accuracy and compliance. The User agrees to keep confidential and not to disclose any details of the ETI Files characteristics, including non-compliance to any appropriate published standard, and The User agrees not to communicate such information by any means to any third party without express written permission from the WorldDMB Project Director.
5. These sample ETI file recordings are provided by courtesy of the respective broadcasters, content providers and network operators and may contain information and content protected by copyright or other agreements. Consequently, ETI Files are provided to The User on the express understanding that they will be used solely for testing of DAB, DAB+ and DMB infrastructure and receiver devices, and under the following conditions:

- a. No ETI File or part of it may be broadcast to the general public in any country.
 - b. ETI Files must not be sold, rented, leased or supplied as part of any public or commercial transaction.
 - c. ETI Files must not be used for any purpose other than testing, development or demonstration. The use of the sample ETI files for any public demonstration or public exhibition is not permitted without express written permission in advance from the WorldDMB Project Director.
 - d. The ETI Files are made available for the exclusive use of The User and his/her organisation provided that The User's organisation is a current and valid member of WorldDMB.
 - e. The User shall not share ETI Files with any other member of WorldDMB without the explicit and written agreement of the WorldDMB Project Director or unless that other member has also accepted these Terms and Conditions through this website.
6. No ETI File or part thereof may be altered, circulated, transmitter, copied, sent or made available for retrieval in any known or unknown format by The User to any person or organisation that is not a current and valid member of WorldDMB without the explicit and written agreement of the WorldDMB Project Director.
 7. The User shall take all reasonable steps to keep safe and protect the security and confidentiality of any ETI File downloaded and stored on any system under their control, and take reasonable steps to prevent any such file becoming infected with any software virus, worm or other threat.
 8. If at any time The User ceases to be a current and valid member of WorldDMB, it shall cease forthwith all use or application of the ETI Files and remove and delete any and all copies of ETI Files from all its systems. Any use of ETI Files by non-members of WorldDMB may be deemed a breach of copyright and of these Terms and Conditions.
 9. The relevant sections of Clauses 1, 3, 4 and 5 shall continue to apply whether or not The User remains as a member of WorldDMB.
 10. These Terms and Conditions shall be governed by Swiss Law.

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