

Installation guide for IBOS MusicXmlReader 5.0.0.0

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System Requirements

IBOS MusicXmlReader Version 5.0.0.0 is primarily tested with:

- Windows 10
- JAWS 2022
- Braille display types: "Humanware Brailiant" and "Freedom Scientific FOCUS 14"

The program will probably also work with other versions of Windows, JAWS - and with most other Braille Displays. But this is not thoroughly tested!

For demonstration purposes, primarily for people without a vision impairment, the program can also be run without JAWS and Braille display, but a very large part of its functionality will of course not be available.

IBOS MusicXmlReader also assumes that the user is capable of navigating in a standard Windows program, and especially is familiar with the following Windows Forms controls:

- Menu bar
- "Open" dialog
- List view
- Tree view with checkbox.

Distribution of IBOS MusicXmlReader

"IBOS Music Reader" is distributed in the form of the distribution file:

"IBOS MusicXmlReader 5.0.0.0.zip"

If the distribution file is distributed as a link to a website and the link does not work immediately, the link should simply be copied to the web browser's address bar, after which it is activated by pressing "Return"

The distribution file contains all relevant documentation as well as the actual installation file:

"IBOS MusicXmlReader 5.0.0.0.Setup.exe"

Once the distribution file is downloaded and opened, you can proceed with the setup process itself:

Installation of IBOS MusicXmlReader

Start "IBOS MusicXmlReader.5.0.0.0.Setup.exe" and accept the suggested options.

The installer offers to launch IBOS MusicXmlReader to complete the installation process. Alternatively, you can start IBOS MusicXmlReader later as any other Windows program, and even define a keyboard shortcut.

When "IBOS MusicXmlReader" is installed, you should proceed immediately with JAWS setup. This is necessary to get the right experience from the beginning of the interaction between "IBOS MusicXmlReader" and JAWS!

Setup of JAWS for IBOS MusicXmlReader

If you want to use IBOS MusicXmlReader together with a Braille display, you need to change a few JAWS settings immediately after the installation of IBOS Music reader. These changes are made ONLY for IBOS Music reader and thus have no influence on JAWS' behaviour with respect to other programs.

Even if you do not want to use IBOS MusicXmlReader together with a Braille display, it is recommended that you do the following, so there are no problems later!

1. Start JAWS
2. Start IBOS MusicXmlReader and give the program focus
3. Press INSERT + F2 to start "JAWS Manager"
4. Select SettingsCenter and press to display the "Add New Configuration" dialog box.
5. Select OK. This will start "JAWS Setup Center-IBOS MusicXmlReader"

Then make the following changes in the JAWS settings for "IBOS MusicXmlReader"

Setting name	Action	Outcome
Braille->Advanced-> "Placement of the status cells"	Chose "None"	Removes redundant information about Windows control type
Braille->General-> "Braille state"	Choose "Output for speech"	Sends the same information to the Braille display as for the speech synthesis.
Braille->General-> "Show text in 8-point Braille"	Mark the checkbox	Shows Braille output in 8-point Braille
Braille->General->Panning-> "Use panning-state"	Choose "Maximize text"	Optimizes the placement of the information on the point display.

If you also want to avoid that JAWS repeatedly announces position information (for instance "Line 4 of 27") and component type (for instance "listbox") you can also apply the following settings to JAWS Settings Center.

Setting name	Action	Outcome
Speech Verbosity -> Configure Verbosity levels-> Beginner-> Position Information	Uncheck checkbox	Removes redundant information about position within and size of current Windows listbox.
Speech Verbosity-> Configure Verbosity levels-> Beginner-> Control Type	Uncheck checkbox	Removes redundant information about Windows control-type

NOTE: JAWS stores the above configuration in a simple text file.

An example of a typical location on a Danish PC with the user "Jens" and JAWS 2018 is:

C: \ Users \ Jens \ AppData \ Roaming \ Freedom Scientific \ JAWS \ 2018 \ Settings \ then \ IBOS MusicXmlReader.JCF

A typical example of the contents of this file after the above setup is:

```
[Brailiant BI]
PositionOfStatusCells=2
UseHowManyStatusCells=0
BraillePanMode=2
[Braille]
BrailleMode=2
[Focus40]
PositionOfStatusCells=2
UseHowManyStatusCells=0
BraillePanMode=2
[OutputModes]
CONTROL_NAME=1|2|2|Kontrolnavn
POSITION=0|2|0|Positionsinformation
CONTROL_TYPE=0|2|2|Kontroltype
```

The contents of the current JAWS settings file for IBOS Node reader can be inspected under Tools-> Open JAWS Settings.

Hereby, IBOS node reader is installed and ready for use.

The installation file contains some MusicXml files that are immediately available. These files are automatically copied to the user's private folder

"Documents \ IBOS MusicXmlReader \ Examples"

and contain examples of, among other things

- Simple one voice melodies
- 4-voice SATB choir pieces
- 20-voice orchestra scores

Installation of other tools

IBOS MusicXmlReader can be used with other tools for handling musical scores.

For example, the free note writing program MuseScore, which can be downloaded from

<https://musescore.org/en>

Similarly, a 30-day free demo version of Sibelius can be downloaded from

<http://connect.avid.com/Sibelius-Trial.html>

In a similar way test versions of the note-editors “Capella” and “Finale NotePad” can be downloaded and installed.

Starting with IBOS MusicXmlReader version 5.0.0.0 the programs “PhotoScore” and “Braille Music Editor 2” are supported in the same way.

IBOS Music reader expects that these programs are installed in their default locations

C:\Program Files\MuseScore 3\bin\MuseScore3.exe

C:\Program Files\Avid\Sibelius\Sibelius.exe

C:\Program Files (x86)\capella-software\capella 8\bin\capella.exe

C:\Program Files (x86)\Finale NotePad 2012\Finale NotePad.exe

C:\Program Files (x86)\Neuratron\PhotoScore + NotateMe Ultimate 2020\Neuratron PhotoScore.exe

C:\Program Files (x86)\Bme2\bme2.exe

If for some reason, these programs are not installed in their default locations, it is possible to set up their paths from “Settings” → “General Settings”

Please note that the tool “IBOS Music Braille Reader”, which is introduced with “IBOS MusicXmlReader” version 5.0.0.0 is integrated within “IBOS MusicXmlReader” and thus does not require a separate installation

Using MusicXml Note Archives on the Internet

IBOS MusicXmlReader contains direct links to selected MusicXml Note Archives on the Internet.

An updated list of such links can be found at

<https://www.musicxml.com/music-in-musicxml/>

See the User's Guide for more details.