What's New









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1 Introduction

The purpose of this document is to give you an overview of the new features in Primus 3.2.0.0.

Please note this is NOT a mandatory update from the previous version, 3.2.0.0.

The first few sections give you a brief description of the most important new features. To get a full list of the enhancements and fixes done in this release, look at the <u>Release Notes</u> section.

2 License Information

The License Information dialog window has been reformatted to contain three tabs:

- Location Information (address details of the office)
- Licenses (available licenses that can either be grouped by Module or by Serial Number)
- **Connected Devices** (all connected transducers, fitting units, HIT unit)

Also, the name of the Audiometry without high-frequency license has been changed to Audiometry STD.

| License Information | - | | × |
|--|----------|------|---|
| Location Info Licenses Connected Devices | | | |
| Grouping by Module | | | |
| Serial Number Module | | | |
| Analytics | | | |
| ▼ AUD | | | |
| ▼ REM | | | |
| ▼ SM ▼ HIT | | | |
| LocalCalibration | | | |
| Comfort Optimizer | | | |
| ▼ Kiosk | | | |
| | | | |
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| | | | |
| | | | |
| | | | |
| Print Import Ent | ter Code | Clos | e |
| | | | |



3 Audiometry

3.1 Audiometry Reports

High Frequency included in Audiometry Reports

The *Print* option allows printing and saving Audiometry reports for High Frequency Pure Tone Audiograms. You can access this option by clicking the corresponding icon (
) in the Toolbar.

| Reports | × |
|---|---|
| ✓ Audiometry ☐ Client report ☐ SISI report | Audiometry report |
| REM REM report Speech Mapping | Show Social Security Number Show Client ID Show Client name and address |
| □ ■ Speech Mapping report → HIT □ ■ HIT report | Report Data |
| PDF Forms Primus PDF Sample Cloud Forms Muster_15 Form | Pure Tone AudiogramDualPure Tone Audiogram RangeHigh FrequencySpeech AudiogramGraphTympDo not show |
| Primus PDF Sample - Copy Primus PDF Sample Hörgeräteversorgung | Use for Noah fast data view Comment Save as default |
| | Preview Print Close |

Hide Articulation Index in Audiometry Reports

When not in use, the *Articulation Index (AI)* figures can be hidden from display in Audiometry Reports.

Having called the *Reports window* from the Toolbar, navigate to *Audiometry > Audiometry Report > Report Data*.

From the AI dropdown, select the Hide option.



| Reports | × |
|---|--|
| Audiometry Client report SISI report Audiometry report REM REM report Speech Mapping Speech Mapping report HIT HIT report PDF Forms Primus PDF Sample Cloud Forms Muster_15 Form Primus PDF Sample - Copy Primus PDF Sample Hörgeräteversorgung | Audiometry report Client Data Show Social Security Number Show Client ID Show Client ID Show Client name and address Header Fure Tone Audiogram Pure Tone Audiogram Pure Tone Audiogram Graph Tymp Do not show v Al Hide Show Hide Comment Save as default |
| | Preview Print Close |

3.2 Pure Tone Audiograms

Compare more than TWO older audiograms

Users can compare the current *Pure Tone audiogram* with more than 2 older audiograms that are available from earlier sessions.





Overlays in Pure Tone

The *Overlays* option in *Pure Tone Audiometry* allows selecting **Speech Letters** for different languages.

The Overlay letters that will be displayed on the Audiogram depend on the language settings of the application.



3.3 Measurements and Test Definitions

All Freiburger wordlists are now available for the UCL measurements

When conducting Freiburger tests, it is possible to use all Freiburger wordlists for the UCL measurements.



| 0.0 | Q = ? | Top 📉 | 5 dB Steps | • | Overlays | Ŧ | | | | | | | | | |
|-------------------------------|--|--------------|------------|-------|----------|------------|---------|------------|------------|-----------|-------|------------|---------|------|---|
| Workflow | Audiometry | Ŧ | Start | * HTL | ► BC | |) ► S | Speech SRT | • | Speech SD |) F | Quick SIN | • | link | |
| Test Type | 25 | | | | | | | | | | | | | | |
| O 🗙 SRT | | | | | | | | | | | | | | | |
| M M MCL | | | | | | | | | | | | | | | |
| I I UCL | | | | | | | | | | | | | | | |
| O X SD | | _ | | | | | | | | | | | | | |
| O × SD(2 | n | | | | | | | | | | | | | | |
| O X SD(3 | | | | VU 🗆 | | | | | | | | | | | |
| O < 00(0 | | | | -40 | -30 | | 20 | -10 | ò | 10 | | | | | |
| O X SDN | | | | | R | light - dB | н | Bir | naural - d | R HI | | eft - dB H | | | |
| 🗘 🔗 SDN | | | | | | Level | | | Level | | | | Masking | | |
| QSOS Quid | | | | SRT | | cord | | | eevel | | | | | | |
| us us quic | A SIN | | | | | | | | | | | | | | |
| 4 Madia C | ontrol Panel | | | MCL | | | | | | | | | | | |
| 4 WIEdia Ci | oncroneance | | | UCL | | | | | | | | | | | |
| | Microphone | | | | Score | Level | Masking | Score | Level | | Score | Level | Masking | | |
| CD | Sound Library | | | SD | | | | | | | | | | | |
| Disk | O Freiburger [I:\] | - | | SD(2) | | | | | | | | | | | |
| | Gruppe 1 (Za 0:30 | - | | | | | | | | | | | | | |
| | Gruppe 1 (Zahlen) | 0:30 ^ | | SD(3) | | | | | | | | | | | |
| 90 | Gruppe 2 (Zahlen) | 0:32 | | SD-A | | | | | | | | | | | |
| 22 | Gruppe 3 (Zahlen) | 0:34 | | | Score | Level | S/N | Score | Level | S/N | Score | Level | S/N | | |
| 54 | Gruppe 4 (Zahlen) | 0:33 | | SDN | | | | | | | | | | | |
| 19 | Gruppe 5 (Zahlen) | 0:35 | | SDN-A | | | | | | | | | | | |
| 86 | Gruppe 6 (Zahlen) Gruppe 7 (Zahlen) | 0:34 0:36 | | SUN-A | | | | | | | | | | | |
| 71 | Gruppe 8 (Zahlen) | 0:35 | | | | | | | | | | | | | |
| 35 | Gruppe 9 (Zahlen) | 0:37 | | | HTL (d | B HL) 27 | 40 BCL | (dB HL) | FF | (dB HL) | | | | | |
| | Gruppe 10 (Zahlen) | 0:37 | | | | | | | | | | | | | |
| | Gruppe 1 (Wörter) | 1:01 | | | | | | | | | | | | | |
| 63 | Gruppe 2 (Wörter) Gruppe 3 (Wörter) | 1:00 1:00 | | | | | | | | | | | | | |
| | Gruppe 4 (Wörter) | 1:03 | | | | | | | | | | | | | |
| | Gruppe 5 (Wörter) | 1:02 | | | | | | | | | | | | | |
| | Gruppe 6 (Wörter) | 1:01 | | | | | | | | | | | | | |
| | Gruppe 7 (Wörter) Gruppe 8 (Wörter) | 1:02 | | | | | | | | | | | | | |
| | Gruppe 9 (Wörter) | 1:02 | | | | | | | Notes: | | | | | | |
| | Gruppe 10 (Wörter) | 1:02 ¥ | | | | | | | | | | | | | |
| | | | | | | | Start | | | | Righ | t TDH-39 | | | • |
| | | | | | | | Stop | | 5 | 0 dBHL | - | | 0% | 0/0 | |
| | | | | | | | Store | Grupp | e 1 (Zahle | :n) (| 0:30 | | | | |
| | | | | | | | | | - (| | - 10 | | | | |
| | | | | | | | | | | | | | | | |

Define minimum level for Automated Tests

In order to speed up the Automated Pure Tone testing, Users can employ the **Minimum Level** (dB) setting in the *Test Definition Editor*. With the Minimum Loudness level defined, the test will stop as soon as the set level is reached.

| Editor For Test Definition | × |
|-----------------------------------|----------------------|
| General Frequencies Curve S | ityles Auto Test |
| Threshold determination | 2 out of 3 ascents v |
| Initial descending step, dB | 15 |
| Initial ascending step, dB | 20 |
| Descending step, dB | 10 |
| Ascending step, dB | 5 |
| Minimum level, dB | 20 |
| Fixed-length tone, ms | 1000 |
| Randomize tone length between, ms | 1000 - 3000 |
| Interval between tone, ms | 3000 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | OK Cancel |



3.4 Speakers and Transducers

Pure Tone measurements with one speaker

It is possible to use ONE speaker to conduct Pure Tone Measurements. This way Masking and Stimuli can be played by the same output device.

| Settings | | | | | | _ | | × |
|----------------------------|---|------------|-------------------------------|---|---------------|---------|-----------|------|
| General | ^ | Loudspeak | er selection | | | | | _ |
| Network | | | | | | Worksta | tion Sett | ngs |
| Common | | Pure tone | Free Field Loudspeakers | Ŧ | Right Speaker | | | Ŧ |
| Database | | Speech | Free Field Loudspeakers | Ŧ | Right Speaker | | | Ŧ |
| Language | | REM | Free Field Loudspeakers | Ŧ | Right Speaker | | | Ŧ |
| Client Information | | SM | Free Field Loudspeakers | ~ | Right Speaker | | | Ŧ |
| Workflow | | Percentile | Free Field Loudspeakers | | Right Speaker | | | * |
| Measurement | | 🗌 Play Wir | ndows sounds through speakers | s | | | | |
| Reporting | | Room Ed | qualization in REM | | | | | |
| CD and Media Files Folders | | | | | | | | |
| Key Mapping Manager | | | | | | | | |
| Loudspeaker selection | | | | | | | | |
| audiometry | | | | | | | | |
| Default Views | | | | | | | | |
| Controls | | | | | | | | |
| Measurement Standard | | | | | | | | |
| PTA/CPT | | | | | | | | |
| Talk Over | | | | | | | | |
| Monitoring | | | | | | | | |
| Speech Measurement | | | | | | | | |
| Normative Curves | | | | | | | | |
| Client Response | | | | | | | | |
| E REM | | | | | | | | |
| Display Settings | | | | | | | | |
| Target Calculation | v | | | | | | | |
| | | | | | | | | |
| | | | | | | Save | Can | icel |

Disable masking in Monitoring

Masking can optionally be disabled in the Monitoring headset via the *Audiometry Monitoring Settings*.



| Settings | | | - | | × |
|----------------------------|---|----------------------------------|---------|-----------|-----|
| 🗖 General | ^ | Audiometry - Monitoring Settings | | | |
| Network | | Disable Masking In Monitoring | worksta | tion Sett | ngs |
| Common | | Usable Masking in Monitoring | | | |
| Database | | | | | |
| Language | | | | | |
| Client Information | | | | | |
| Workflow | | | | | |
| Measurement | | | | | |
| Reporting | | | | | |
| CD and Media Files Folders | | | | | |
| Key Mapping Manager | | | | | |
| Loudspeaker selection | | | | | |
| audiometry | | | | | |
| Default Views | | | | | |
| Controls | | | | | |
| Measurement Standard | | | | | |
| PTA/CPT | | | | | |
| Talk Over | | | | | |
| Monitoring | | | | | |
| Speech Measurement | | | | | |
| Normative Curves | | | | | |
| Client Response | | | | | |
| E REM | | | | | |
| Display Settings | | | | | |
| Target Calculation | v | | | | |
| | | | | | |
| | | | Save | Can | cel |

4 REM/SM

4.1 Target Settings

Show target values on REM/SM Audiograms

It is possible to display the Target measurement values on REM/SM Audiograms.

In the *Target window*, the Input Level can be configured to use ONE or THREE target curves built against a chosen value (or values) in dB.

The specified Target value (or values) are now displayed on the Audiogram.



| Classic REM Measurement - Current client: John Doe, 1 | Measurement Settings × |
|---|--|
| | General Fitting Settings Input Level Age 69 • Years Months Client Type Adult Bilateral Use BCL Hearing Instrument Description |
| Occubed Mesurement Occubed Mesurement Reig So dB O Reig So dB O MPO So dB O MPO So dB O To Compared and the second secon | Gain Use the same setup for both ears Right Left HI Name HI Sin HI Style BTE Vent Size Vent None Vent Size Vent None Compression Speed Fast Target Rule Selection Output Vise the same setup for both ears Both Default (NAL-NL1) Setup Peak target offset, dB O |
| Notes: | |
| C 0:15 65 dB | Binaural OK Cancel |
| | History Data Clear History Copy to New Create New Print Close Show/Hide Client View |

1/2 and 1/3 Gain Targets are now available

Measurement settings in the REM/SM modules have been extended to include 1/2 and 1/3 gain options. To access:

- 1. Go to the **REM/SM module**
- 2. Open the Measurement window
- 3. Click the Target button
- 4. From the dropdown in the Target Rule Selection, choose the corresponding gain rule

| Measurement Settings | × |
|--|--|
| General Fitting Settings Age 14 Vears O Months Client Type Paediatric V Bilateral V Use BCL V | Input Level Use one target curve v Input Level 65 - + |
| Hearing Instrument Description Use the same setup for both ears Right HI Name HI S/N HI Style BTE Vent Size Vent Size Compression Speed Fast | Left HI Name HI S/N HI Style BTE Vent Size Vent None Compression Speed Fast |
| Target Rule Selection Use the same setup for both ears Right Default (1/2 Gain) Default (DSL v5) Default (NAL-NL1) Default (NAL-NL2) Default (1/2 Gain) Default (1/3 Gain) Manual | Left Default (1/3 Gain) - Setup Peak target offset, dB 0 OK Cancel |



4.2 On-Top Mode

Switch between Test Types

In the "On Top" mode, it has become possible to switch to a different Test Type.

The **Top** icon (^{IIII}) in the Measurement window in REM/SM modules activates the "On Top" mode where another **Test Type** can be selected.



5 Tympanometry

A new shortcut tab for Tympanometry

The *Key Mapping Manager* in the main Settings has been modified to include the Tympanometry shortcut tab, containing the following quick access options:

- Help (to access the Help manual from the Tympanometry module)
- Print (to print out tympanograms)



| ttings | | | | | | | - 🗆 | × |
|----------------------------|---|---------------|----------|------------|------------|-----|-------------|-----|
| 🗖 General | ^ | Key Mapping N | /lanager | | | | | |
| Network | | Pure to | ne | Speech | RE | M | SM | |
| Common | | HIT | Ma | ain Window | Navigation | | Counselling | |
| Database | | Otosco | ру | HL/MHA S | imulation | Tym | panometry | |
| Language | | Help | | | F1 | | | |
| Client Information | | Print | | | Ctrl+P | | | |
| Workflow | | | | | | | | |
| Measurement | | | | | | | | |
| Reporting | | | | | | | | |
| CD and Media Files Folders | | | | | | | | |
| Key Mapping Manager | | | | | | | | |
| Loudspeaker selection | | | | | | | | |
| Audiometry | | | | | | | | |
| Default Views | | | | | | | | |
| Controls | | | | | | | | |
| Measurement Standard | | | | | | | | |
| PTA/CPT | | | | | | | | |
| Talk Over | | | | | | | | |
| Monitoring | | | | | | | | |
| Speech Measurement | | | | | | | | |
| Normative Curves | | | | | | | | |
| Client Response | | | | | | | | |
| REM | | | | | | | | |
| Display Settings | | | | | | | | |
| Target Calculation | ~ | | | | | | | |
| | | | | | | Sav | e Can | cel |

Tympanometry graph is shown on the Dashboard

When the Tympanometry Module is enabled, the last available Tympanometry graph is displayed on the dashboard.

| File Vie | w Tools H | elp | | | | | | | | | |
|--------------|---------------------------------------|--------------|--------------|----------------------------|-------------------------------|-----------------|---------------|------------------------|-------------------|---------------|-----------------------|
| B 🚜 i | ஷ 🖻 🕹 | 2 | | | | | | | | | |
| | | | | | | | | | | | |
| | np Tymp (23/1: 00088 | 1/2018) (| Session List | | | | | | | | |
| | /11/2018 | | 23/11/2018 | 21/03/2019 역 | 22/03/2019 ³⁶ 9 | 22/04/2019 © | 11/10, % h | | | | |
| No | t specified | | | ×8 2 | ~9 | ~9 | 3 G | 1 | | | |
| | First visit | - | | | | | 51.01 | | | | |
| | Otoscopy | , | Client Data | | | | | Audiometry | | | 11/10/2019 |
| 1 | • • • • • • • • • • • • • • • • • • • | · | Client Num | ber 0000088 | | | | | | To sh Theorem | S. L. M. |
| | | | First Na | ime Tymp | | | | 0-000-0-0-0 | ж инии | Test Type | 3. L. M. |
| | 🕴 Tympano | metry | | ime Tymp irth 23/11/201 | | | | | | | |
| 요 | | | | Age 1 | • | | | | | | |
| | | | | der Not specifi | ed | | | Right | Left | Speech | |
| \mathbf{n} | Pure Tone Speech | e | Addre | ss 1 City | | | | | | | |
| | Speech | | Post C | ode | | | | 3 Real Ear Measurement | | | 11/10/2019 |
| | O Handard | .oss Simulat | Phone Ho | me | | | | | | | |
| | Master H | | | | | | | | | | 0 -000-0-0 |
| | | | T Otoscope | | | | | 68 | | 68 | |
| _ | 🛞 REUG | | | | | | | | | | |
| 2 | REIG 65 d | | | | | | | Right | Left | B | iase Audiogram |
| | REIG 80 d | iB 🚽 | | | | | | lill Speech Mappi | ng | | 11/10/2019 |
| | Speech M | | | | | | | | | 1 | |
| | Noise Rec Speech in | | Right | Left | | | | | | 9 200 0 | |
| | | Ť | | | | | | an | | | |
| | OSPL90 Full-on Ga | ain | | | | | | | | | |
| | Frequence | | | | | | | Right | Left | Base Audiogr | am |
| | | | | | | | | | | - | |
| | | | | | | | | 🖳 Tympanometr | У | | |
| | | | | | | | | | |] | |
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| | | | | | | | | \wedge | \wedge | | |
| | | | | | | | | | | | |
| | | | | | | | | Right | Left | | |
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6 Integration with Auditbase

Auditbase panel supports Primus Automated testing

Users can run Automated Audiometry tests with the Auditbase panel without the need to start the Primus module.

To do a hearing test in Auditbase, call the *Primus Control Panel* by clicking the **Measure button** and select the **Automated test type** from the respective dropdown.

|)) A | uditbase - [A | B Audio | gram - newl | Device con | nected] | | | | | | | | | | | _ | - [| | × |
|--|--|---------|-----------------------------|----------------------|------------------------|------------|-------|----------------------|--------|-------------|-------------|------------------------|-------------|---------------|----------|-------------|-------|------|------|
| File | View | Fund | tions | | | | | | | | | | | | | | | | |
| Detail | | New | Open | Open late | st <u>S</u> ave | Properties | Print | Prin <u>t</u> sm | | Import data | Export data | Export to N | loah | 20 Log off | Exit Aud |] itbase | | | |
| Search Audiogram Print Import/Export Client data | | | | | | | | Exit | | | | | | | | | | | |
| Client <x> FIRST EXTRA MORE LAST • A State of the state o</x> | | | | | | | - 🌣 | 0 | | | | | | | | | | | |
| | tion vourites []] Medical {]] Journal | history | | 0 | 150 500 | 1000 2000 | 4000 | 8000 SR | et | DS DSN | O AC | Measure - Symbol | • • • | | 5 250 | 500 | 1000 | 2000 | 4000 |
| Primus Control Panel X O Pure Tone Speech Test Types HTL Change | | | | | | | | | | | | | | | | | | | |
| Indi | Step Level 5 dB Extende Range | - | Stimul Store No Respo | us H B Donse F | TL ICL ICL CL |) dBI | _ | Right TDH- + - | -39 [N | - | 0 Hz | • + - | ķ | ? | | | Maski | ng | |
| | Status 📀 | | | | utomated AL | D | | | | | | | | PFU+ H | W: Conne | cted 🐫 | 2 | | ÷ |

Functional Level Preselection

The Primus integration with Auditbase features fully functional *Level Preselection* functionality for **Pure Tone measurements** in the **Audiogram module**.

Relative Reset mode now works as expected, enabling Users to configure relative points on the Audiogram depending on the Client's response to stimuli.





7 Further Improvements

Export new Test Parameters

When exporting Speech and Audiometry tests parameters to an XML file, it is now possible to include **Test Type Name** and **Description** for each exported measurement.

HF output supports standard Transducer

The standard AC (air conductor) transducer can be plugged into the High Frequency output. When connected so, it works as a standard (not a high-frequency) transducer.

Straightforward configuration of network settings

In the current Release, it has become easier to configure network settings. The need to create a separate Network Profile has been eliminated. Users can just export their current settings to an XML file and share it via the network.

| Setting Profiles | × |
|-------------------------------------|--------------------|
| Management of User Setting Profiles | |
| Present Profiles | |
| adm | Create New Profile |
| admin | Copy profile |
| BY | Delete profile |
| DI | |
| NETWORK PROFILE | |
| SYSADM | |
| (current) | |
| | |
| | |
| | Import Settings |
| | Export Settings |
| | |
| | Close |

Primus Cloud CD Schemas/Files

Speech materials (*wav files*) and CD schemas (*XML files defining the structure of the CD*) can now be managed from the Auditdata cloud. When activating the *Cloud CD Folder* option in the General Settings, users obtain access to the custom media files stored in a central location.



| Settings | | - | \Box \times | | | | | | |
|----------------------------|--------|--|-----------------|--|--|--|--|--|--|
| 🗖 General | ∧ CD a | nd Media Files Folders | | | | | | | |
| Network | | Works | | | | | | | |
| Common | | Custom Media Files Folders | | | | | | | |
| Database | | me Path | Add | | | | | | |
| E Language | Sv | edish HINT C:\ProgramData\Real Ear\Primus\Cloud CD Files\Swedish | Edit Remove | | | | | | |
| Client Information | | Custom Media Files Folder X | | | | | | | |
| Workflow | Custon | | | | | | | | |
| Measurement | Name | Swedish HINT | | | | | | | |
| Reporting | | Cloud CD Folder | | | | | | | |
| CD and Media Files Folders | Folder | Path C:\ProgramData\Real Ear\Primus\C | | | | | | | |
| Key Mapping Manager | CD Sci | eme Swedish HINT cd CLOUD V | | | | | | | |
| Loudspeaker selection | | Calibrate | , | | | | | | |
| Audiometry | | | | | | | | | |
| Default Views | | OK Cancel | | | | | | | |
| Controls | | | | | | | | | |
| Measurement Standard | | | | | | | | | |
| PTA/CPT | | | | | | | | | |
| Talk Over | | | | | | | | | |
| Monitoring | | | | | | | | | |
| Speech Measurement | | | | | | | | | |
| Normative Curves | | | | | | | | | |
| Client Response | | | | | | | | | |
| REM | | | | | | | | | |
| Display Settings | | | | | | | | | |
| Target Calculation | ~ | | | | | | | | |
| | | Save | Cancel | | | | | | |
| | | 3075 | Cancer | | | | | | |

Hardware Self-Test in Primus Cloud

Asset Management functionality in Primus Cloud now allows storing Hardware Diagnostic Test files.

With the activated Analytics license, users are able to access the results of their hardware testing via *Asset Management > Units > Details*.

| Auditdata Clo | ud | Asset Managemen | t Analytics | Primus Adminis | stration Screener | (C) (S) user05 Administrato |
|------------------------|--------------|---|--|---|--------------------------------------|--------------------------------|
| sset Management > Unit | s ≻ PFU+ | | | | | |
| lardware Self Test | Results | | | | | |
| Date | ∽ Serial Num | iber ~ | Hardware Type | Ŷ | Status | ∽ Details |
| 27 Jan 2020 13:08 | 21000551 | | PFU+ | | ОК | I |
| | | Hardware Self Test Result Date: 27 Jan 2020 13:88 Hardware: PFU+ Serial number: 21000551 Statas: OK | | | | |
| | | Outputs Monitoring Headset Bore Conductor Ar Conductor 1 Ar Conductor 3 Line Out 1 Line Out 2 Line Out 2 Line Out 2 Free Field htt Free Field right Free Field right | OK OK OK Not Tested Not Tested Not Tested Not Tested OK | Iepuks REM Probe Option Microphone Left Operator Microphone Right Operator Microphone Talk Back Microphone | OK OK Not Tested Not Tested | |
| | | | | | CLOSE | |



Open External Files in the Workflow

The "Open external link" option has been added to the Workflow settings. This enables users to include links to files, websites or presentations that can become easily accessible during a conversation with a Client.

| Editor For Work | kflow Step | Х |
|-----------------|--|--------|
| Name | Presentation | |
| External link | https://www.asha.org/uploadedFiles/Understanding-Hearing-Loss-Presentation.pdf | |
| | | |
| | | |
| | | |
| | | |
| | Mandatory | |
| Duration | 0 Minutes | |
| Step Type | Open external link | Ŧ |
| | | |
| | ОК | Cancel |

8 Release Notes 3.2.0.0

This version of the Primus software release contains the following enhancements:

License Information

- The license information menu has been reformatted
- "Audiometry without high-frequency" license has been renamed to "Audiometry STD"

Audiometry

- High Frequency Pure Tone Audiograms can be included in Audiometry Reports
- Articulation Index can be hidden in Audiometry Reports
- More than TWO older audiograms can be compared in Pure Tone
- Overlay Speech Letters are supported for different languages
- All Freiburger wordlists are now available for the UCL measurements
- Minimum level can be defined for Automated Tests
- Pure Tone measurements can be done with one speaker
- Masking in the Monitory Headsets can be disabled

REM/SM

• Target level can be shown in REM/SM Audiograms



• 1/2 and 1/3 gain targets are now available

Tympanometry

- A shortcut tab has been added for Tympanometry in the Key Mapping Manager
- The last Tympanometry graph is shown on the Dashboard

Auditbase Integration

- Auditbase panel supports Primus Automated testing
- Level Preselection for Pure Tone measurements in the Audiogram module is now fully functional

Further Improvements

- Straightforward configuration of network settings
- New Test Parameters (Name and Description) can be exported to XML
- HF output can be used for standard AC Transducers
- Speech materials (wav files and CD schemas) can be managed from the Cloud
- Hardware Self-Test results are now accessible from Primus Cloud
- External files can be added to Workflows by configuring the "Open External Link" step type

Supported Languages

• English, German, French, Polish, Turkish, Danish, Finnish, Spanish, Italian, Hungarian, Chinese, Korean and Japanese.

Dependencies

This version supports NOAH versions 4 or higher. To use the Primus Panel under AuditBase System, AuditBase version 4.17.01 or higher is required.

Installation

To upgrade to Primus 3.2:

- 1. Run the set-up file: Setup_Primus_3_2_0_0.exe.
- 2. Follow the instructions on the screen and your system will be updated.

9 Support

For further information, please visit <u>www.auditdata.com</u>.