

Installation instructions

Go to www.easylaser.com>Support>Software download

1. For XT12 Display unit: Download XT12 app update file.
For XT11 Display unit: XT11 display unit firmware update.
NOTE! This is a very large file! (approximately 1.3 GB)
2. Download the update file and save it to a USB memory stick.
3. Unzip the files to the root of the USB memory stick.
4. Start the Display unit.
5. Insert the USB memory stick into the Display unit.
6. On the start view, tap  to open Settings.
7. Tap  to open System information. The installation file should now be visible under UPDATE.
Tap the installation file. If the Display unit doesn't restart within five minutes, start it manually.

Detector update

The software update file also contains updates for detectors.

To check if your detector has an update available:

1. Connect your Display unit and detector to power.
2. Open “Settings” and “System Information”.
3. Tap “Detector update” and select a detector from the list.
The Update-button is active if the selected detector has an available update.
4. Tap “Update”. The update can take up to 15 minutes.

Installation instructions and Detector update instructions in **German, Spanish and Swedish** are found on the last pages of the Release notes.

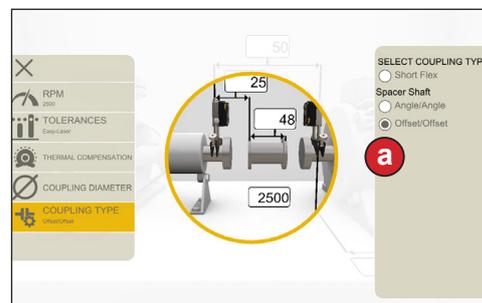
Release 10.7.0

Shaft Horizontal and Machine Train:

- Offset/Offset functionality added. The user can now select the option “Offset/Offset” under Coupling type.

Other :

- Filter settings in Bore Center in the same way as in Shaft programs.
- Indication if Vertical has been chosen in Bore Center (including Report).
- Updates in app translation file for different language versions.
- Updates in Instruction manual.
- Various bug fixes.



“Offset/Offset” selected under Coupling type.

Release 10.6.1

Bugs fixed:

- XT11 issue corrected, where the user couldn't press Remeasure button after a Multipoint measurement.
- Visual errors in RPM and Coupling Diameter input fields and side menus have been corrected in Shaft measurement programs.

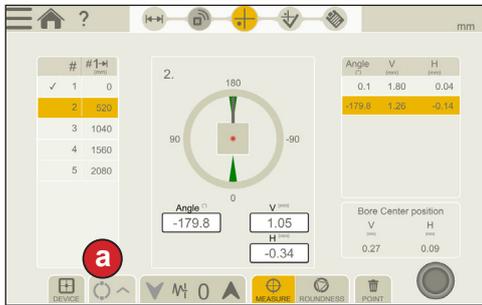
Release 10.6.0

Straightness Bore center:

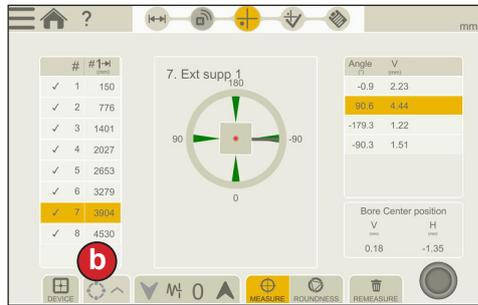
- Three new measurement methods; 2-Point, 4-Point and Manual Entry.
- Possibility to do vertical measurements.

Other:

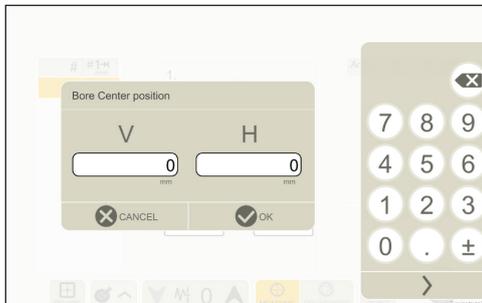
- Possibility to connect reference detector in Bore Center, Straightness and Values.



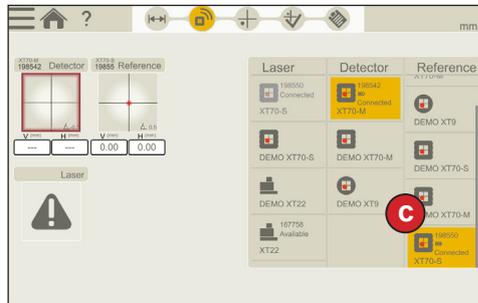
Tap [a] to select 2-Point measurement method in Bore center.



Tap [b] to select 4-Point measurement method in Bore center.



Manual entry in Bore Center.



Connect reference detector [c] in Bore Center, Straightness and Values.

Release 10.5.1

Bugs fixed:

- In Adjust view of Straightness Bore Center, the values and the crosshair moves according to adjustment directions.
- After adjusting, the values in the table and the graph are updated accordingly.

Release 10.5.0

Straightness Bore center:

- Adjustment view added for Straightness Bore Center. Tap the “Adjust” button to access this.
- Possibility to create templates for Straightness and Straightness Bore Center.
- A roundness graph has been added to Measure and Result views. Tap the “Roundness” button to access this.
- Tolerance colors added to Measurement data table on the Report page.

Shaft programs:

- The filter only goes up to filter level six in Horizontal, Vertical, Machine Train and Cardan. With faster acquisition of data.

Other :

- Now possible to calibrate the electronic levels on the XT20/XT22 laser transmitter, using XT9.
- Firmware for XT290 has been updated to the latest version.
- The manual now describes the new OLED functionality for XT40, XT50, XT60, and XT70.

Bugs fixed:

- All translated texts are now visible on Bore center measure and result views.
- Removed empty layout tabs for Bore reports.
- Fixed a bug when using other reference mode than Raw. This could cause issues with zeroing in Live device.

Release 10.4.1

- Fixed a bug with values not being updated correctly when using Sweep mode in Horizontal Shaft. The values became sorted in the wrong way. The bug was triggered when using certain timezones.

Release 10.4.0

Bugs fixed:

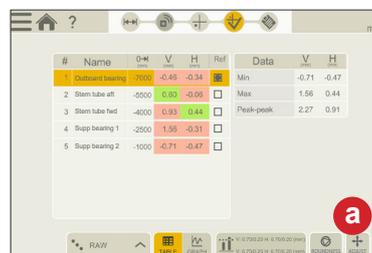
- When using Manual entry in Machine train, the adjusted value is now updated for the affected coupling.
- XT40 measuring units can be updated again.
- Added confirmation that an email has been sent on XT11 and XT12.
- Several linguistic errors has been corrected in manual and app.

Languages:

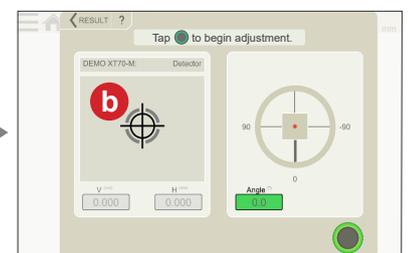
- Instruction manual now available in Thai and Vietnamese.

Firmware update packages for a number of units have been updated or added to this release:

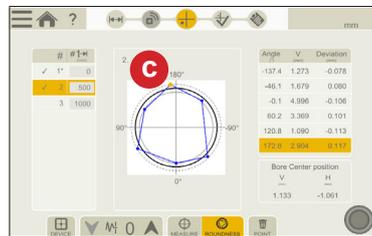
Unit	FW version
XT40-M/S	4.6.2, 6.1.0
XT50-M/S	1.3.0
XT60-M/S	5.1.0, 6.1.0, 7.1.1
XT70-M/S	5.1.0, 6.1.0, 7.1.1
XT290	2.2.0



In Result view, tap “Adjust” button [a] ...



... adjust bore until cross-hair is in center [b].



Measurement value for selected bore, shown in roundness graph [c].

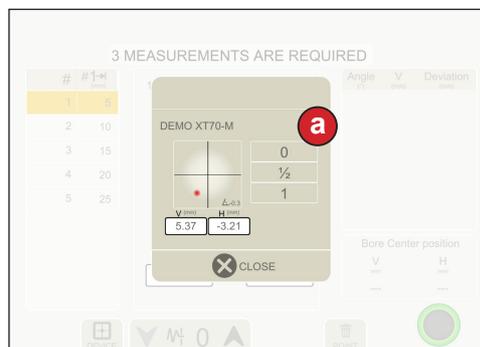
Release 10.3.0

Straightness Bore center:

- Possible to display a target during measurement in Straightness Bore center. It is possible to zero set and halve the value. This does **not** affect the measurement.

Bugs fixed:

- Better support for low-resolution tablets.
- Faster updates of Live values on the Adjust page in Horizontal.
- Several linguistic errors have been corrected.



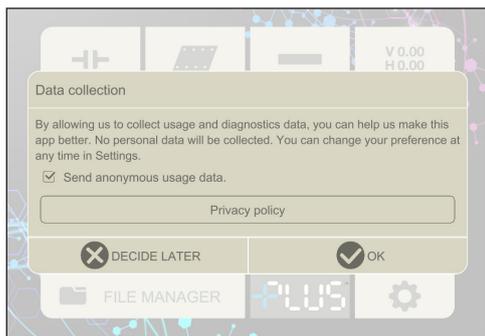
Halve and zero set value [a] when live device is zoomed in Bore center measure view.

Release 10.2.0

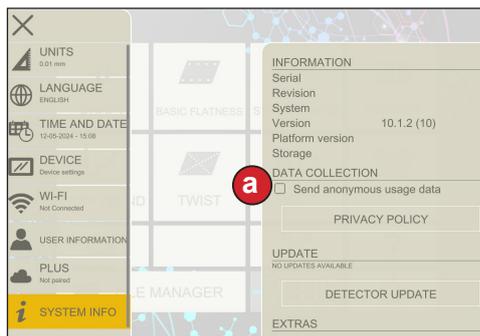
Data collection:

When tapping “OK”, you allow Easy-Laser to collect anonymous usage and diagnostics data, for example what measurement programs are being used. This helps us make this app better. No personal data, for example actual measurement data, results or reports, will be collected. You can change your choice at any time in Settings > System information.

- Data collection added.
- A pop-up to inform the user regarding this. It is possible to change the decision later in Settings > System information.



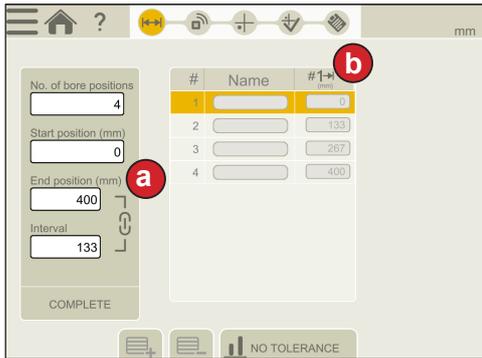
Data collection information pop-up.



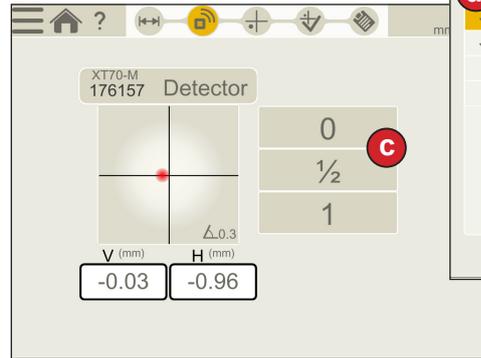
Settings > System information: Tick box [a] to allow data collection. You can disallow at any time by unticking the box.

Straightness Bore center:

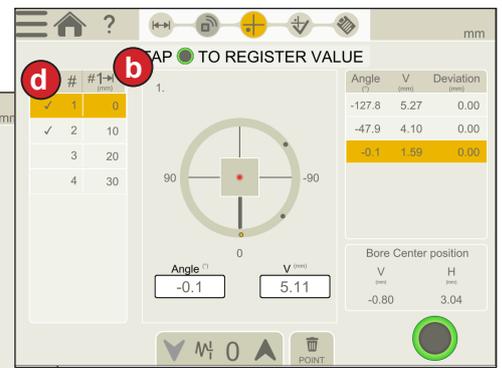
- Unit information added in Prepare view.
- Possible to halve and zero set value when having the live device zoomed in Connect view.
- Updated distance icon on Prepare, Measure and Result views, makes it clear that distance is measured from the first bore/position.
- More clear which bore has been measured, checkmarks added.



Unit information added in Prepare view [a] and updated distance icon [b].



Halve and zero set value [c] when live device is zoomed in Connect view.



Updated distance icon [b] and checkmarks added on measured bore [d].

Languages:

- Two new languages added in the app, Thai and Vietnamese. **Not** available in the manual yet.

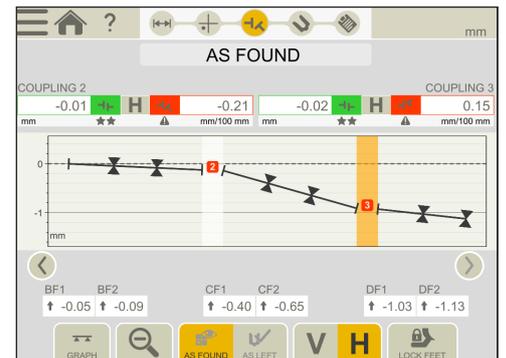
Release 10.1.2

Improvements:

- In Machine train, it is now possible to adjust any of the measured couplings. The user is asked to ensure that the distances are correct.
- A PLUS button added to the start view. When pressed, more information regarding Easy-Laser PLUS is shown.
- Improved scaling in the live adjust view for Shaft Horizontal.
- It is now possible to remove old mail addresses from the list "Previously Used" on XT11/XT12.

Bug fixes:

- The Share functionality on Android is working again.
- The report now updates to the latest Manual entry value.
- The connection problem with some Android and firmware 6.0.0 has been solved.
- In the report, the "Time since calibrated" for XT22 would display wrong value if not calibrated by customer. Now it shows: N/A if not calibrated by customer.
- Traditional Chinese corrected in Start menu.
- In Basic Flatness and Twist: both X and Y values are now zeroed in the target.



In the Result view, you can select the coupling you want to adjust.

Release 10.1.1

Machine Train:

- Manual entry.
This option is used to combine the current Machine Train measuring method with the possibility to manually add external measurement values for certain couplings.



In Measure view, select Manual entry.

Straightness Bore center:

- Distance for end position active after start position has been entered.
- Added a warning regarding the need for minimum angle between the points.
- Updated icon.
- Bug fixed: When clearing the number of position showed a strange number.

Straightness:

- Bug fixed: Old straightness files can now be opened from file manager.

Shaft Horizontal:

- The view for V&H is now default.
- Bug fixed: The distance for S machine was activated when scrolling the images.

Other fixes:

- Less memory used when updating the system.
- More stable live graph view in Machine Train.
- Improved filter handling.
- Repositioned a button in Twist. The delete last measurement button was clipped.
- Translation fixes.

Release 10.0.1

Straightness Bore Center

New program added!

Measure the straightness of bore center lines, bearing journals and other cylindrical objects. It is possible to measure up to 50 points on each bore/bearing position. The measured points are clearly displayed in a graph and table.

The XT9 or XT70 can be used as detectors.

Straightness:

A Prepare view has been added to the Straightness program.

Much like the one used in Straightness Bore Center.

Detector XT9:

It is now possible to connect the detector XT9.

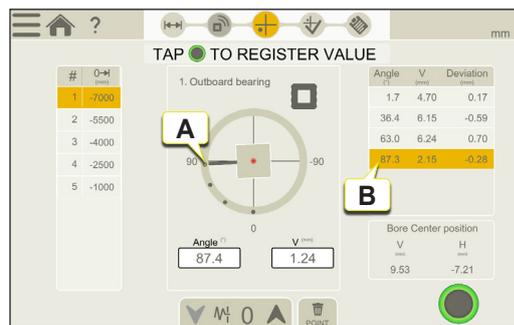
Available in Straightness, Straightness Bore Center and Values.

Other improvements:

- Built-in Turkish manual now available.
- More responsive Start screen.

Bugs fixed:

- Fixed the lagging values on XT11 and XT12. Seen on the Adjust screen.
- Fixed an issue with taking photos.
It is now possible to take multiple photos within the same minute.
- Minor translation fixes.



Measured points [A]. Registered measurement values [B].

Release 9.2.0

Shaft:

- Adjust view in Horizontal, the tab for live adjustment modes are now expanded by default.
- Lock feet also available in Machine view.

Fixed bugs:

- On certain Android tablets, there were major graphic issues. Icons were not visible.
- The QR scanner could crash when opened from the Start view.
- There were problems displaying values in the Vibration program for certain languages.
- Reimplemented locked feet icons in Machine train.
- Locked feet were not set by default on all S-machines when switching image in Configuration.

Release 9.1.0

Turkish added in the app.

Issues fixed in this release:

- Improved app performance (mostly seen in XT11 and XT12).
- Stability fixes to PLUS functionality.
- Stability fixes to XT12 update functionality.

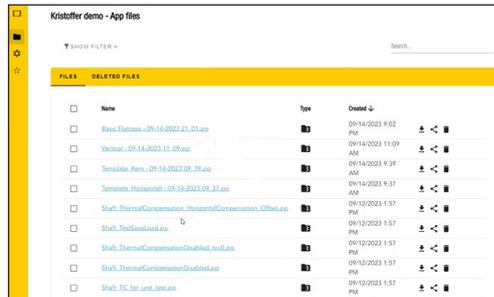
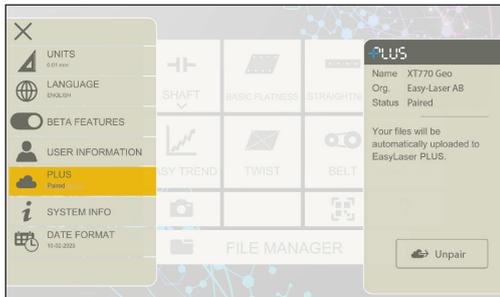
Release 9.0.0

Easy-Laser PLUS™:

This is our cloud solution where you can:

- Collect all your measurement files in one place for quick overview and analysis.
- Restore deleted files.

In Settings, just pair your XT app to Easy-Laser PLUS™ and all files in your File manager are automatically uploaded to Easy-Laser PLUS™.



In Settings, just pair your XT app to Easy-Laser PLUS™ ... and all your files are uploaded to Easy-Laser PLUS™.

For information on how to pair your XT app to Easy-Laser PLUS™, follow the instructions in the XT app User Manual: GENERAL INFORMATION > Easy-Laser PLUS.

For more extensive information regarding all Easy-Laser PLUS™ features, see www.easylaser.com

Bugfixes:

- In XT12, the screen could stop working when setting time and date in Settings.
- When you mirrored machines in Horizontal, they were misplaced in V/H view.
- Sweep readings were not visible.
- Location permission is no longer required for Android 12 and above.

Installationsanweisungen

Gehen Sie zu www.easylaser.com > Support > Software Download.

1. Für XT12 Anzeigeeinheit: Laden Sie die XT12-App-Update-Datei herunter.
Für XT11 Anzeigeeinheit: **Hinweis** zum Firmware-Update für die XT11-Anzeigeeinheit:
Dies ist eine sehr große Datei! (ca. 1,3 GB).
2. Laden Sie die Update-Datei herunter und speichern Sie sie auf einem USB-Speicherstick.
3. Entpacken Sie die Dateien in das Stammverzeichnis des USB-Speicherstick.
4. Starten Sie die Anzeigeeinheit.
5. Stecken Sie den USB-Speicherstick in die Anzeigeeinheit.
6. Tippen Sie in der Startansicht auf , um die Einstellungen zu öffnen.
7. Tippen Sie dann auf , um die Systeminformationen zu öffnen. Eine neue Datei sollte jetzt unter UPDATE sichtbar sein.
Wenn die Anzeigeeinheit nicht innerhalb von fünf Minuten neu gestartet wird, muss sie manuell gestartet werden.

Detektor-Update

Die Software-Update-Datei enthält auch Updates für Detektoren.

So überprüfen Sie, ob für Ihren Detektor ein Update verfügbar ist:

1. Schließen Sie Ihre Anzeigeeinheit und Ihren Detektor an die Stromversorgung an.
2. Öffnen Sie „Einstellungen“ und „Systeminformationen“.
3. Tippen Sie auf „Detektor-Update“ und wählen Sie einen Detektor aus der Liste aus.
Der Update-Button ist aktiv, wenn für den ausgewählten Detektor ein Update verfügbar ist.
4. Tippen Sie auf „Update“. Das Update kann bis zu 15 Minuten dauern.

Instrucciones de instalación

Vaya a www.easylaser.com > Soporte > Actualizaciones de software.

1. Para la unidad de visualización XT12: Descargue el archivo de actualización de la app XT12.
Para la unidad de visualización XT11: Actualización del firmware de la unidad de visualización XT11.
Nota: Es un archivo muy grande (aproximadamente 1,3 GB).
2. Descargue el archivo de actualización y guárdelo en una memoria USB.
3. Descomprima los archivos en la carpeta raíz de la memoria USB.
4. Encienda la unidad de visualización.
5. Inserte la memoria USB en la unidad de visualización.
6. En la vista Inicio, toque  para abrir la pantalla de Configuración.
7. Toque  para abrir la Información del sistema. El archivo de instalación deberá ser visible ahora en ACTUALIZAR.
Si la Unidad de visualización no se reinicia en cinco minutos, iníciela manualmente.

Actualización del detector

El archivo de actualización de software también contiene actualizaciones para los detectores.

Para comprobar si hay una actualización disponible para su detector:

1. Conecte la unidad de visualización y el detector a la alimentación.
2. Vaya a «Configuración» e «Información del sistema».
3. Toque «Actualización del detector» y seleccione un detector de la lista.
El botón Actualizar estará activo si hay una actualización disponible para el detector seleccionado.
4. Toque «Actualizar». La actualización puede durar hasta 15 minutos.

Installationsinstruktion

Gå till www.easylaser.com > Support > Programvaror.

1. För Avläsningsenhet XT12: Ladda ner XT12.
För Avläsningsenhet XT11: XT11 Firmware-uppdatering.
Obs! Detta är en mycket stor fil. (ca 1.3 GB)
2. Ladda ner uppdateringsfilen och spara den på ett USB-minne.
3. Packa upp filerna till roten på USB-minnet.
4. Starta Avläsningsenheten.
5. Sätt i USB-minnet i Avläsningsenheten.
6. På startvyn, tryck  för att öppna Inställningar.
7. Tryck på  för att öppna Systeminformation. En ny fil bör nu vara synlig under UPPDATERINGAR.
Om Avläsningsenheten inte startar om inom fem minuter, starta den manuellt.

Uppdatera detektor

Mjukvaru-uppdateringsfilen innehåller även uppdateringar för detektorer.

För att kolla om det finns tillgängliga uppdateringar för din detektor:

1. Sätt på din avläsningsenhet och detektor.
2. Öppna “Inställningar” och “System Information”.
3. Tryck på “Uppdatera mätenheter” och välj en detektor från listan.
Uppdatera-knappen är aktiv om det finns en tillgänglig uppdatering för den valda detektorn.
4. Tryck på “Uppdatera”. Uppdateringen kan ta upp till 15 minuter.