



# x1Aremote

## x1Analyzer remote control

x1AR-EN202526A

**STUTE**   
Engineering

1

Features

.....

3

1.1

Get software

.....

3

1.2

Styles

.....

3

2

Application

.....

3

3

Configure x1Analyzer

.....

3

4

Operation

.....

4

4.1

Scale frame size (MS-Win / macOS)

.....

4

4.2

Functions

.....

4

4.2.1

Choose measurement

.....

4

4.2.2

Import xy diagram

.....

5

4.2.3

Measurement

.....

5

4.2.4

Save

.....

5

4.2.5

Network connection

.....

5

4.2.5.1

Popup-Menu (only macOS / MS-Windows)

.....

5

4.2.6

Frequency range presets

.....

5

4.2.7

Enable / disable channel 1..6

.....

6

4.2.8

Share diagram

.....

6

4.2.8.1

MS-Windows / macOS

.....

6

4.2.8.2

Android / iOS

.....

6

4.2.9

Footer status

.....

6

4.2.10

xy chart

.....

6

4.2.10.1

Zoom In

.....

6

4.2.10.2

Zoom Out

.....

6

4.2.11

Change style

.....

6

5

Supported operating systems

.....

6

# Features

- Remote control of the x1Analyzer software
- MS-Windows, macOS, iOS, Android supported
- Connection to x1Analyzer PC via local network
- Start measurement
- Select measurement type: acoustic & electrical frequency response, impedance, FFT
- Set start/stop measurement frequency
- Set frequency range via preset buttons
- Select measurement channel 1..6
- Display up to 6 channels simultaneously
- Save measurement on the x1Analyzer PC
- Zoom in/out in the measurement diagram
- Share/copy measurement diagram

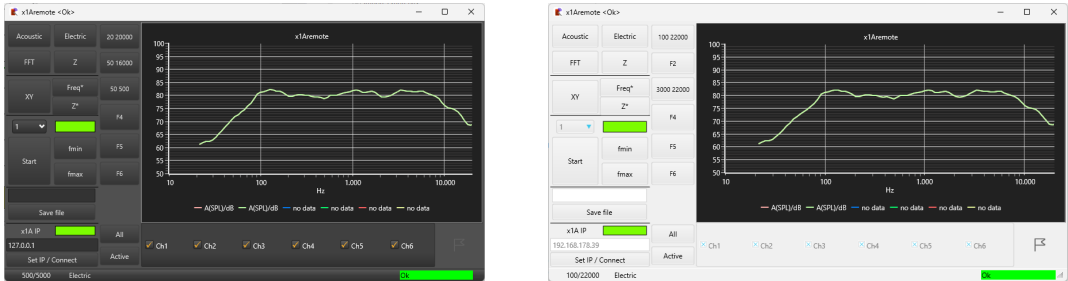


## 1.1 Get software

You get the full version of the software free of charge from the Apple & Google App Store for mobile phones/tablets and for macOS and MS Windows from our download page.

## 1.2 Styles

The user interface is available in 2 colour styles.



# Application

Perform measurements independently of the location of the measuring equipment, e.g., loudspeakers in an anechoic chamber should not be disturbed by people.

## 3 Configure x1Analyzer

- For data exchange between “x1Areimate” and “x1Analyzer,” remote access must be set to “Network” in the x1Analyzer setup.
- Select an IP address from your local network from the selection box.

Prerequisite:

- The controlling computer with x1Aremote is located in the same local network as the x1Analyzer PC.
- Access via firewall must be ensured on the x1Analyzer PC!
- x1Analyzer Ver 2.8 or higher is used.

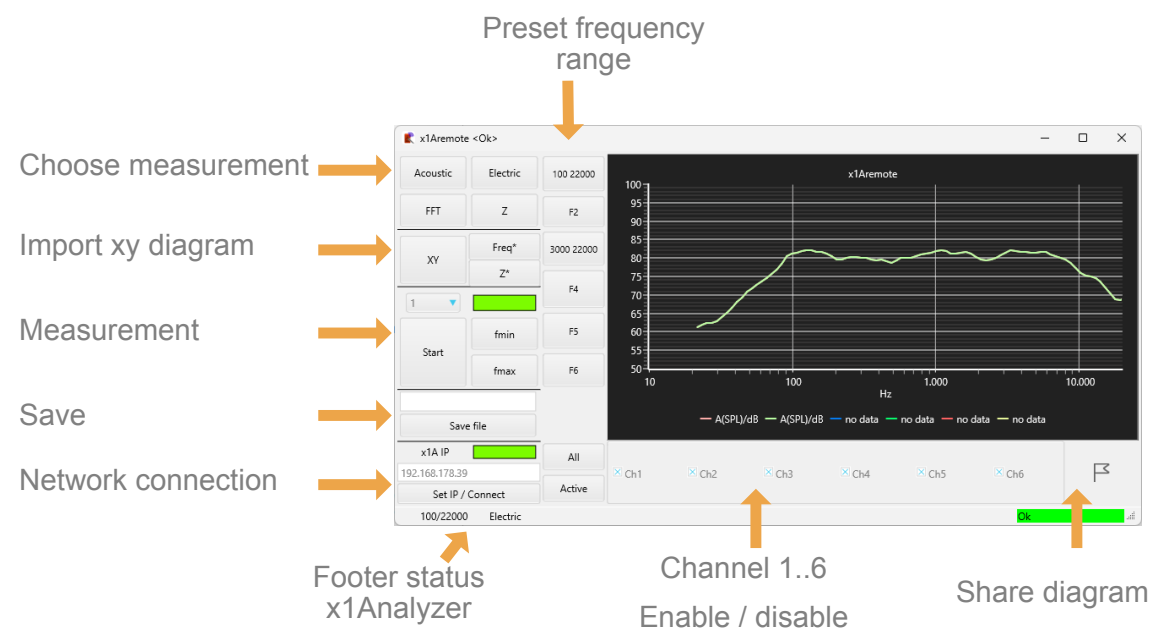
## 4 Operation

#### 4.1 Scale frame size (MS-Win / macOS)

The size of the window can be changed by clicking and dragging the corners.



## 4.2 Functions



### 4.2.1 Choose measurement

Button	Description
Akustic	Select acoustic frequency response.
Electric	Select electgricalfrequency response.
FFT	Select FFT measurement.
Z	Select Impedance “Z” measurement.

Important: The parameters currently set on the x1Analyzer, such as level or resolution, are used for the measurement types. The start/stop frequency can be changed via x1Aremote.

### 4.2.2 Import xy diagram

Button	Description
XY	Read the current view from the xy window of the x1Analyzer.
Freq	Read the frequency response acoustically, electrically, or FFT, if available. “Freq*” indicates that measured values are available.
Z	Read the frequency response of the impedance. “Z*” indicates that impedance measurements are available.



### 4.2.3 Measurement

Function	Description
1..6	Choose target channel for the next measurement. Note: Impact to the selection, if Auto increment function in x1Analyzer is active.
Start	Start measurement. Observe color code: <div> <div></div> x1Analyzer in idle mode. Start measurement possible. <div></div> x1Analyzer busy. Wait until <div></div> </div>
fmin	Enter start frequency in Hz. Changes are displayed in the footer.
fmax	Enter stop frequency in Hz. Changes are displayed in the footer.

#### 4.2.4 Save

Function	Description
Save file	Save the last measurement as a file on the x1Analyzer PC.
Textbox "file name"	Enter the file name in the text field. The date is added to the file name.

#### 4.2.5 Network connection

Function	Description
Set IP / Connect	<p>Establish connection to x1Analyzer using the IP address entered.</p> <p> Connected to x1Analyzer</p> <p> Not connected to x1Analyzer. Press button “Set IP / Connect” or change IP address and press button.</p>
Textbox “IP Address”	<p>Enter the x1Analyzer IP address (see x1Analyzer Setup / Remote Access).</p> <p>Note: For testing with a PC, x1Analyzer, and x1Aremote installed together, enter the IP address 127.0.0.1.</p>

#### 4.2.5.1 Popup-Menu (only macOS / MS-Windows)

Right-clicking on the “IP / Connect” button opens the pop-up menu:

Item	Description
Style	Switch the color scheme of the user interface between dark and light.
Copy	Copy the xy diagramm to the clipboard.

#### 4.2.6 Frequency range presets

The 6 keys top down are identical to the F1 to F6 keys on the x1Analyzer. The pairs of values on each button shown the assigned start/stop frequency in Hz. Keys without a pair of values show the key name only (no function). Pressing a key sets the frequency range.

#### 4.2.7 Enable / disable channel 1..6

Button	Description
Ch1..Ch6	Show or hide individual measurement channels from the graphical view.
All	View all channels.
Active	Only show the "measurement channel" (1 to 6) from the "Measurement" chapter selection.

#### 4.2.8 Share diagram

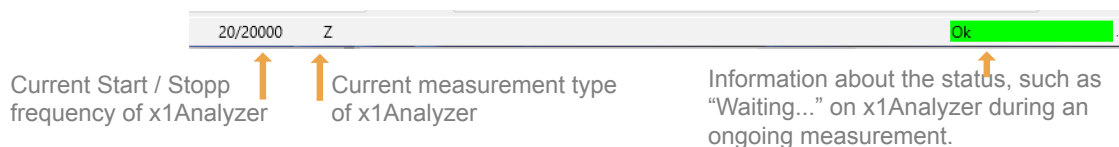
##### 4.2.8.1 MS-Windows / macOS

Pressing this button copies the measurement diagram to the clipboard for sharing.

##### 4.2.8.2 Android / iOS

Pressing this button opens the share function of the operating system (mail, document, cloud,...)

#### 4.2.9 Footer status



#### 4.2.10 xy chart

Parallel display of up to 6 measurements.

##### 4.2.10.1 Zoom In

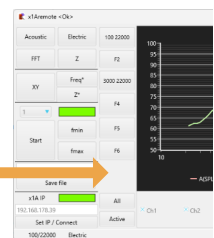
Use your finger/mouse to draw a rectangle from left to right over the relevant area.

##### 4.2.10.2 Zoom Out

Use your finger/mouse to draw any rectangle from right to left.

#### 4.2.11 Change style

- MS-Win / macOS: Via Popup menu, see network connection
- iOS / Android: Via double tap on the user interface surface



## 5 Supported operating systems

- MS-Windows 10 / 11 1)
  - macOS 14 or higher 1)
  - iOS 16 or higher 2)
  - Android 10 or higher 2)
- 1) Download via our Homepage, page "Download"
  - 2) Download via Google or Apple App Store

Web: <http://x1a-en.stute-engineering.de>

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