

Multifunction Analyzer

Tutorial for JTAG

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01. Introduction

This document describes the flow of how to operate the **JTAG function** [the abbreviated title is **JTAG**] that is implemented in the **Multifunction Analyzer** [the abbreviated title is **MFA**].

If you have any words you don't know, such as name, please refer to the **Hardware Users Manual** for the **MFA** and the **Help** for the **MFA application**.



Functions

Oscilloscope

Logic analyzer

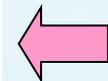
Pattern generator

Function generator

Digital multi meter

Simple DC supply

JTAG checker



02. Equipments

Please prepare the following equipments.

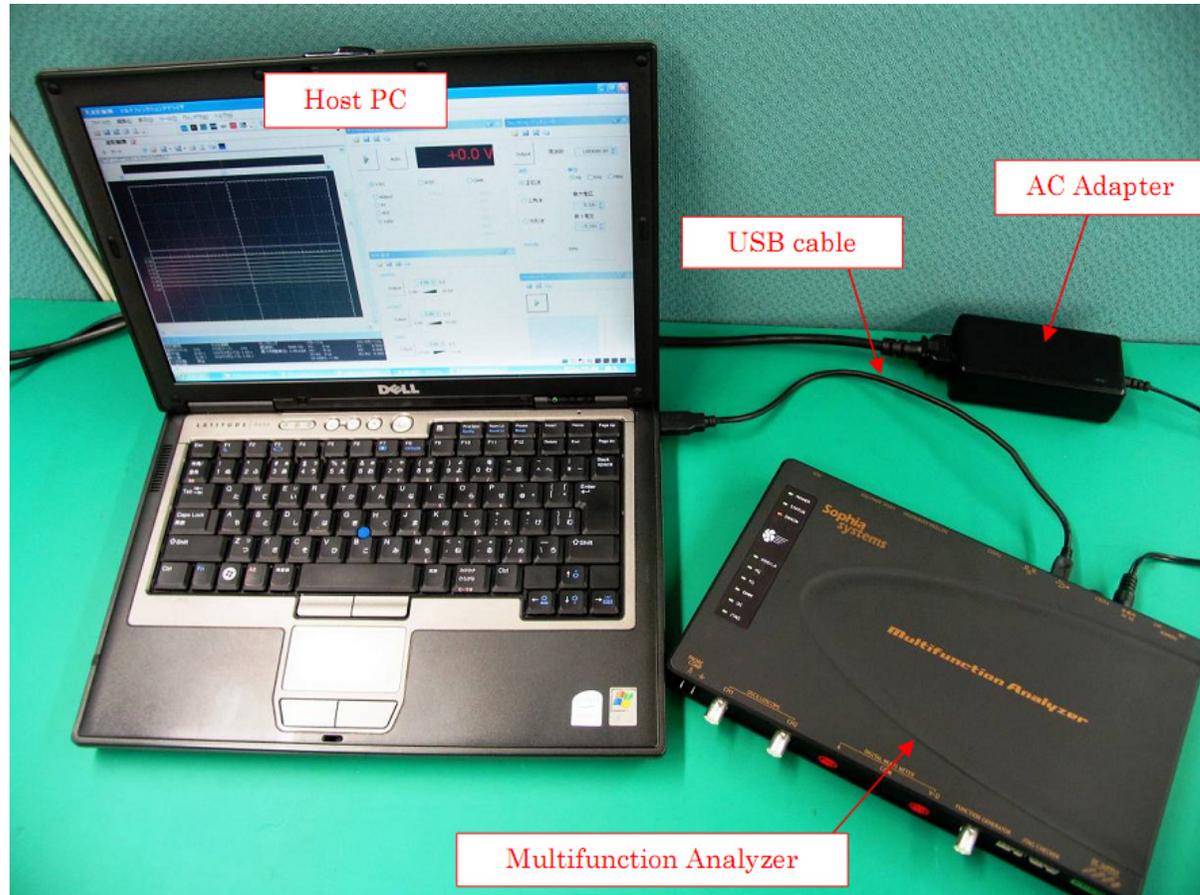
- **MFA** [Qty:1]
 - **USB cable of type mini B** [Qty:1] [Sold separately]
 - **AC adapter and AC cable** [Qty:1]
 - **JTAG cable** [Qty:1]
 - **Target board** [with the JTAG function] [Qty:1]
 - **PC** [with the **MFA application**] [Qty:1]
- *Please refer to the **Installation Manual** for how to install of the **MFA application**.



03. Starting Up

Connect the **Host PC** and the **MFA's equipments**.

Then, turn on power to the **MFA** and start the **MFA application**.



* For details about how to connect the **Host PC**, the **MFA's equipments** and about how to start the **MFA**, please refer to the **Hardware Users Manual**.

* For details about how to start the **MFA application**, please refer to the **Help**.

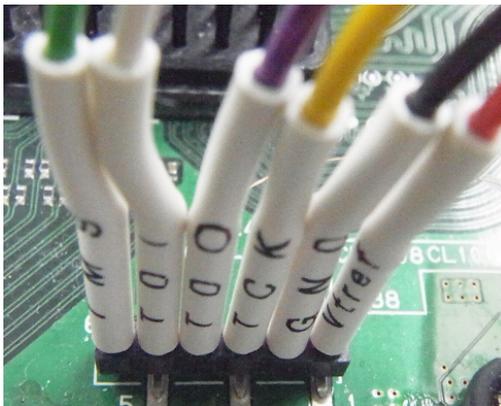
04. Connections

In this section, describes connections for performing **JTAG communication**.

1. Connect the **JTAG cable** to the **JTAG checker connector**.



2. Connect the **JTAG cable** to the **target board connector**.



3. Start up the **target board**.

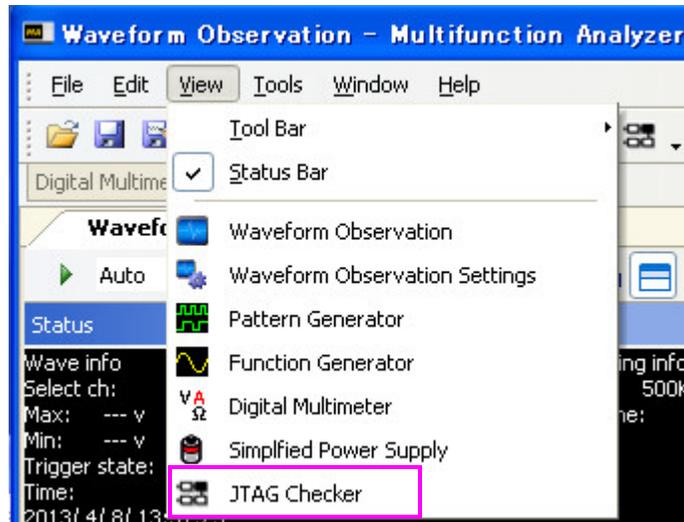


05. Starting the Setup Dialog

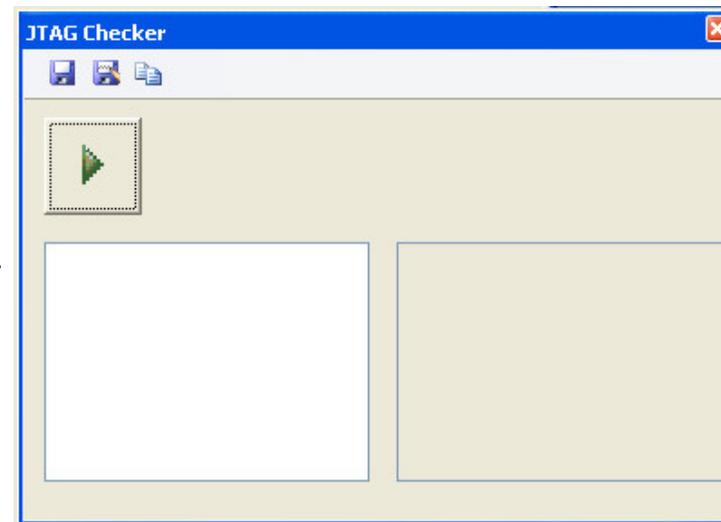
In this section, describes how to start the **JTAG Setup dialog** of the **MFA** application.

Click **JTAG Checker**.

Click JTAG Checker



JTAG Setup Dialog

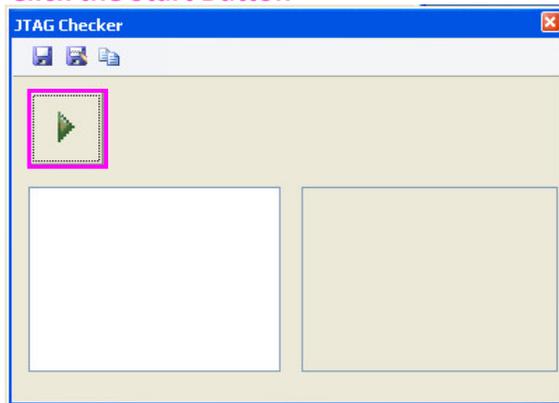


06. Running the JTAG Check

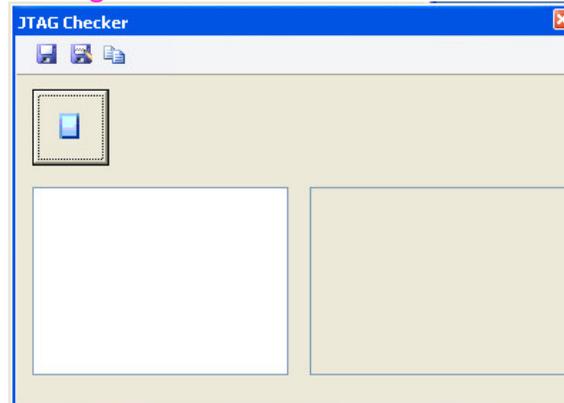
Finally, run JTAG check, make sure the **device** on the **target board**.

1. Click the **Start Button**.
2. Become a **JTAG Communication**, then checking will be completed automatically.
3. The **JTAG Check** is complete, the **Device Name** is displayed.

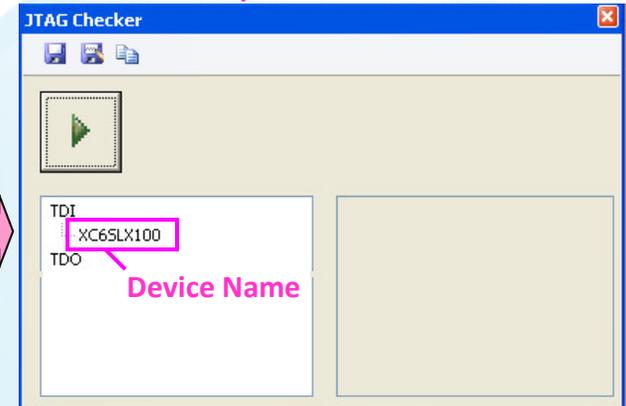
Click the Start Button



During JTAG Communication



JTAG Check Complete



*If it is an unknown device, it is displayed as "Unknown[ID]".

This tutorial is completed.