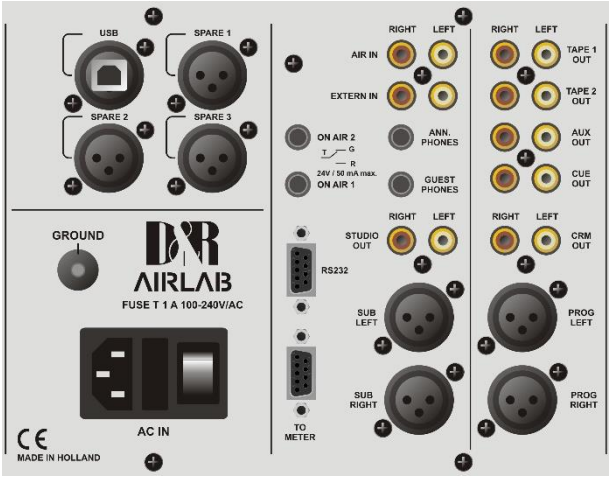
# AIRLAB-DT Getting started

**Before connecting and powering up any AIRLAB-DT part,**
**we strongly recommend you to read the enclosed manual at least once.**

## STEP 01: Connect the RS232 to USB cable.

**Connect the RS232 to USB cable between the RS232 input at the Master section of the back plain and your computer.**




## STEP 02: Connect the USB cable.

**Connect the USB cable between the USB connection on the Master section of the back plain and your computer.**

## STEP 03: Connect the power cable.

**It's important to check that your local mains supply corresponds with the voltage range of 90 volt up to 240 volt that the AIRLAB-DT can handle.**
**It is fused with a 2 Amp Slow blow fuse. DO NOT use any other value.**

**Connect the power cable between the Airlab-DT and a clean power outlet that has a ground.**
**Switch *ON* the Airlab-DT power on the Master section of the back plain.**

**IMPORTANT: Do NOT switch the Airlab-DT *On* and *OFF* within 10 seconds. If switched *OFF*, wait for 10 seconds to allow all voltages to drop internally for a clean start.**

## STEP 04: Meter installing/configuration.

**Install the *Airlab Meters v1.61 – Setup.exe* software on your computer that has been delivered on the USB-stick inside the Airlab-DT package.**
**Please note that you can always find the most up-to-date software of all devices of D&R on our Wiki-page:**
http://www.mambanet.org/wiki/dokuwiki/doku.php?id=supairlab:start

**After installation you will see the Meter application on your screen.**
**Pressing the *Settings* button on the right top of this application skin, opens up the Communication Interface window.**
**Now select the correct virtual serial port which will be created when the Airlab-DT is connected to your computer with the USB cable.**
**After this, select the appropriate server IP address and port by clicking on *"Use UDP Server / Client"*.**
**Save the settings.**



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## STEP 05: Install Airlab Control Center Software.

**With the delivered RS232 to USB cable, you be able to program your Airlab-DT from a remotely connected computer.**
**This will give you a much better overview on all the available settings that can be made.**
**All custom-made settings can be saved in a file, so you can create your own personal pre-sets.**
**These personal settings can be saved on your own Chip card, like the one that has been delivered at the Airlab-DT package.**
**On this way, every user of the Airlab-DT can load his own customized settings inside the console.**

**Install the *Airlab Control Center v3.1 – Setup.exe* software on your computer that has been delivered on the USB-stick inside the Airlab-DT package.**
**Please note that you can always find the most up-to-date software of all devices of D&R on our Wiki-page:**
http://www.mambanet.org/wiki/dokuwiki/doku.php?id=supairlab:start

**During the setup you can choose the path for the installation directory.**
**A program folder will be created together with a desktop icon.**
**From this location, you can start-up the Airlab Control Center application.**

***For specifications of the settings, please see page.59 of the Airlab-DT User Manual.***

## STEP 06: Set the RC balance for Telco modules.

**Power down the Airlab-DT by the switch on the Master section of the backplain.**

**Connect your telephone line with the "to phone" labelled female XLR and the phone Appliance to the female XLR with the label "wall". Both to be find on the backplain of the Airlab-DT at the section of the Telco channels.**

**Remove the Telco module out of the frame and horizontally lay down the module on the surface of the other modules. Please put isolating material between the Telco module and the surface of the other modules to avoid damage and shorts.**

**Locate the blue trimmer VR2 (close to switch "LINE") on the printed board of the Telco module.**

**Now connect an audio source to the module.**
**The easiest way is a 1kHz +4dB tone from a signal generator. If you don't have a signal generator you can also generate a 1kHz sine wave with Audacity on your computer.**
**Be sure that it is +6dBu at the program output.**

**Connect a headphone or power amp to the TELCO SEND CINCH + connector.**

**Check if there is no short between the printed board of the Telco module and the surface it is put on.**


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**Be sure that the *Sub and CUE* switches are *OFF*. (up)**

**Now power up the Airlab-DT by the switch on the Master section of the backplain.**

**Set the *Send* control of the Telco module to 12.0 clock, *Gain* set to 12.0 clock.**

**Dial on the connected phone appliance a telephone number outside the building or make a call to the Telco module.**
**Move the fader of the Telco module to the 0dB position.**
**Make sure that the *Line In* switch of the Telco module is switched off. (up)**
**Now press the *ON* switch of the module. Now the *Prog* and *Sub* switch should be activated.**

**If it's correct, you now hear the audio signal through the Telco module.**
**Now adjust the *R-Bal* trimmer on top of the front side of the Telco module, and set to a minimum audio position.**
**It is possible that you'll have to change the C balance jumpering, to be found on the printed board of the module, to a different value to get a better result.**

**Repeat this setup also to the other Telco modules inside the mixer.**

**When done, power down the Airlab-DT and install the modules properly.**
**As long as the Telco modules remains connected to the same phone company, no changes need to be made to this setup.**

## STEP 07: Programming of the Airlab-DT.

**It is possible to program your Airlab-DT by your computer using the Airlab Control Center software that you have already installed two steps ago.**
**In our opinion, it's better first to install your settings by hand on the Master module, so you will have a better view and a first feeling of the Airlab-DT.**

**Power ON the Airlab-DT.**
**You will now see that the display of the Master module notice the text: 00:00:00 TIMER.**
**This is the menu that's normally active.**
**Now we need to program the Airlab-DT first to your requirements.**

**Please be informed that during programming the Airlab-DT, you can always save all the data by just simply hit the *Enter* button on the front of the Master section.**
**All settings are stored in the internal memory of the Airlab-DT. If you leave the modules set-up section with the *ESC* button, all previously stored data will still be active.**

**To leave the *Timer* menu, you have to press the *UP* or *DOWN* button in the centre of the master section.**
**If you do this, you'll notice the following four main menus:**

- **Timer (default)**
- **Module Settings**
- **Master Settings**
- **System**

**You will never see more than these four menu options.**





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**The settings for all types of modules inside the Airlab-DT are the same. Therefor you don't see a difference between all models in programming.**
**Only the Master module of the Airlab-DT has his own settings menu.**

**To program the modules to your requirements, please see page.48 of the Airlab-DT User Manual.**

**Now you have programmed all modules, it's time to program the Master module.**

**To program the Master module to your requirements, please see page.55 of the Airlab-DT User Manual.**

**Now you have programmed the Master module, it's time to program the System Setup.**

**To enter this part of the programming, hit the *ENTER* button to leave the Master settings with saving changes.**
**The System menu consists out of five submenus:**

- **Configuration**
- **Recall**
- **Store**
- **Recall Memory CARD**
- **Store Memory CARD**

**You can select these sub menus by pushing the *UP* or *DOWN* button.**
**The last two menus are only visible when you have inserted a Memory Card inside the Master front section. This Memory Card has been delivered also inside the package of the Airlab-DT.**

**To program the System Settings to your requirements, please see page.56 of the Airlab-DT User Manual.**

**Now you have programmed the System Settings and you can start to use your Airlab-DT.**

**This document is for quick start only. For detailed information about the AIRLAB-DT, please always read the enclosed user manual.**

Feels good does more



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