

PURSPEC



ANALYZER

Communication Adapter

Operation Manual

1. Software Installation

1. Before installing the Ω Explorer, ensure that the computer's operating system is Windows 10 or later. If you are uncertain about the operating system version or the computer has no internet access, please contact PURSPEC Technology's technical support personnel.
2. Insert the U disk included with the accessories, copy the software installation package to the computer, and complete the installation.

2. Driver Installation

Data transfer between devices is accomplished via Zigbee wireless communication technology. Before use, the driver for the communication adapter must be installed.

1. Locate the Zigbee_Driver folder in the U disk.
2. For systems running Windows 7 and earlier, install "ftdi_ft232_drive.exe"; For systems running Windows 7 and later, install "FTDICDM-2.12.exe".
3. Here are the installation steps for "FTDICDM-2.12.exe".



Figure 1 Driver Files

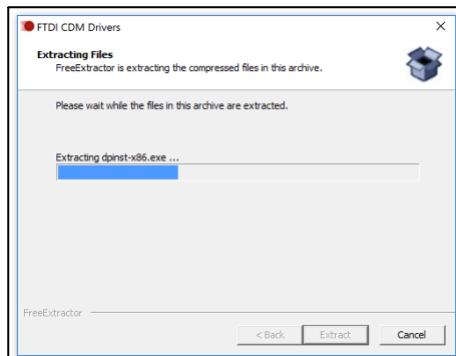


Figure 2 Extract Files

4. Complete the installation by following the on-screen instructions.

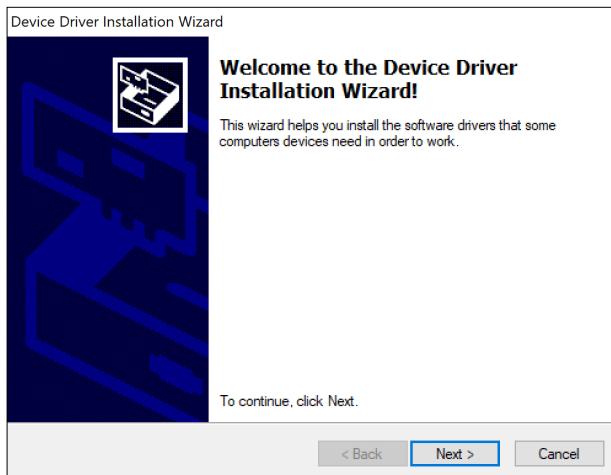


Figure 3 Install-1

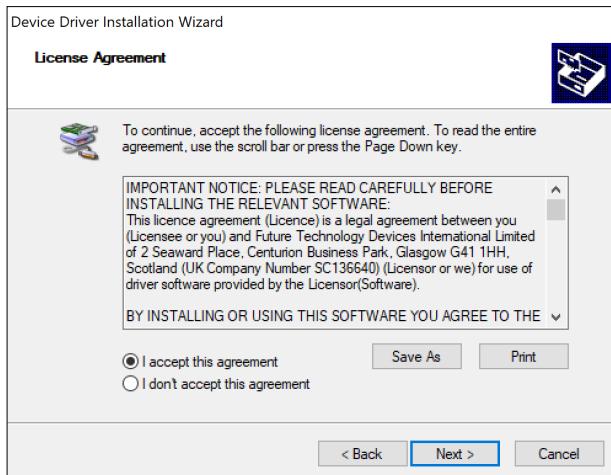


Figure 4 Install-2

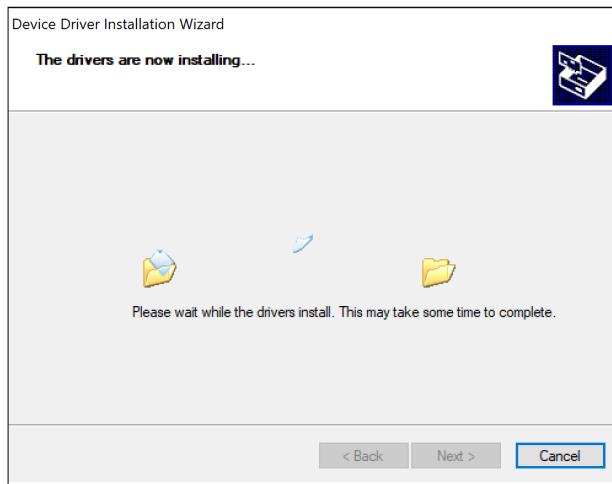


Figure 5 Install-3

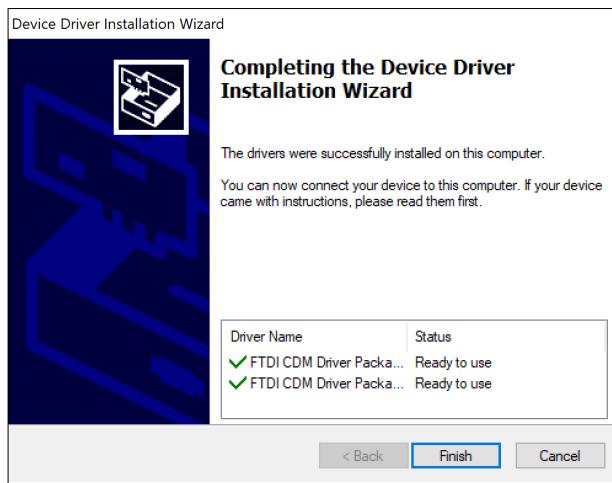


Figure 6 Finished

5. In the computer management interface, click Device Manager and locate Universal Serial Bus controllers.
6. Locating "USB Serial Converter" indicates successful installation of the adapter driver.

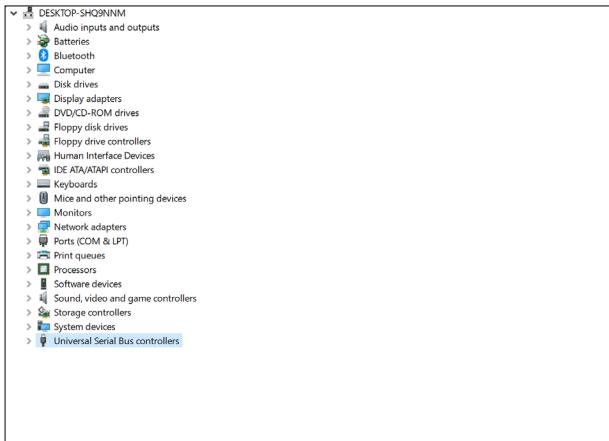


Figure 7 Check

3. Connection

1. Insert the communication adapter into the computer's USB port.
2. Launch the Ω Explorer, click [More] to access the "More" interface, and locate Device Info.

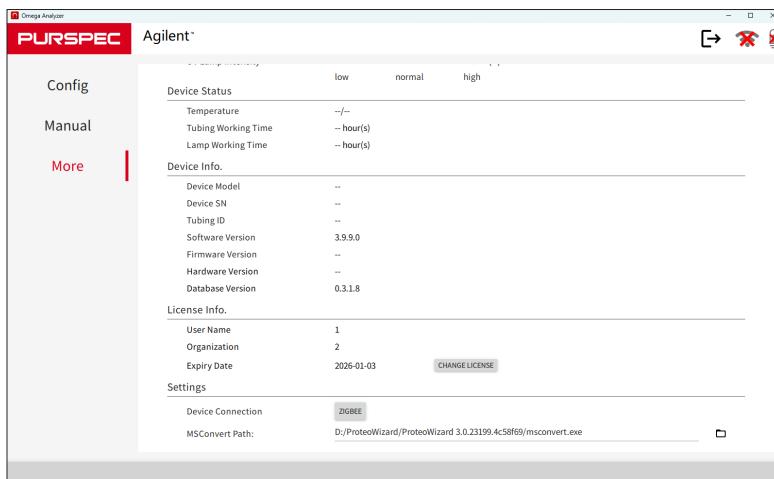


Figure 8 "More"

3. After waiting approximately 3-5 seconds, the currently connected device information will be displayed in the Device Info. section, while the Device Connected status appears in the upper-right corner of the software.

Device Model	O-501P
Device SN	OM01B02-121-0502
Software Version	3.1.01
Firmware Version	3.0.10
Hardware Version	1.0.0
Database Version	0.3.1.0

Figure 9 Device Info.

If the device fails to pair after excessive waiting time, try unplugging and replugging the communication adapter, then restart the device.

4. Replace

1. On the Ω Analyzer's touchscreen, click "Info" icon to enter the "About" interface, then locate and record the Net ID.



Figure 10 Touch Screen

About	
Lamp Working Time	h
Tube Working Time	h
Net Id	
Model	O-301
SN	O30101195001
Firmware Version	v1.0.0
Hardware Version	OM01MAINx.x.x

Figure 11 "About"

2. Insert the new communication adapter into the computer's USB port.
3. Launch the Ω Explorer, click [More] to access the "More" interface, then scroll down to locate Settings > Device Connection.
4. Click the [ZIGBEE] button, enter the Net ID in the designated field, and click [Save].
5. After waiting approximately 3-5 seconds, the currently connected device information will appear in the Device Info. section, while the Device Connected status displays in the software's upper-right corner.

Address:	--
Net ID:	--
Net Type:	--
Net Style:	--
Delivery Mode:	--
Baud Rate:	--
Check:	--
Data Bits:	--
Address Coding:	--
Time Out:	--
Radio Frequency:	--
Transmission Power:	--
Address Option:	--

CANCEL **SAVE**

Figure 12 "ZIGBEE"Setting

5. Troubleshooting

5.1 Common problems

Problem	Susggested Solution
"Communication error!"	<ul style="list-style-type: none">• Restart the software.• Replug the USB connector.• Restart the power switch of the instrument.

5.2 Other Problems

If the problem observed is not within the faults listed above, or the operation problem cannot be solved using the suggested solution, please contact the service engincers in time. Do not attempt to disassemble or repair the instrument by yourself.

FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

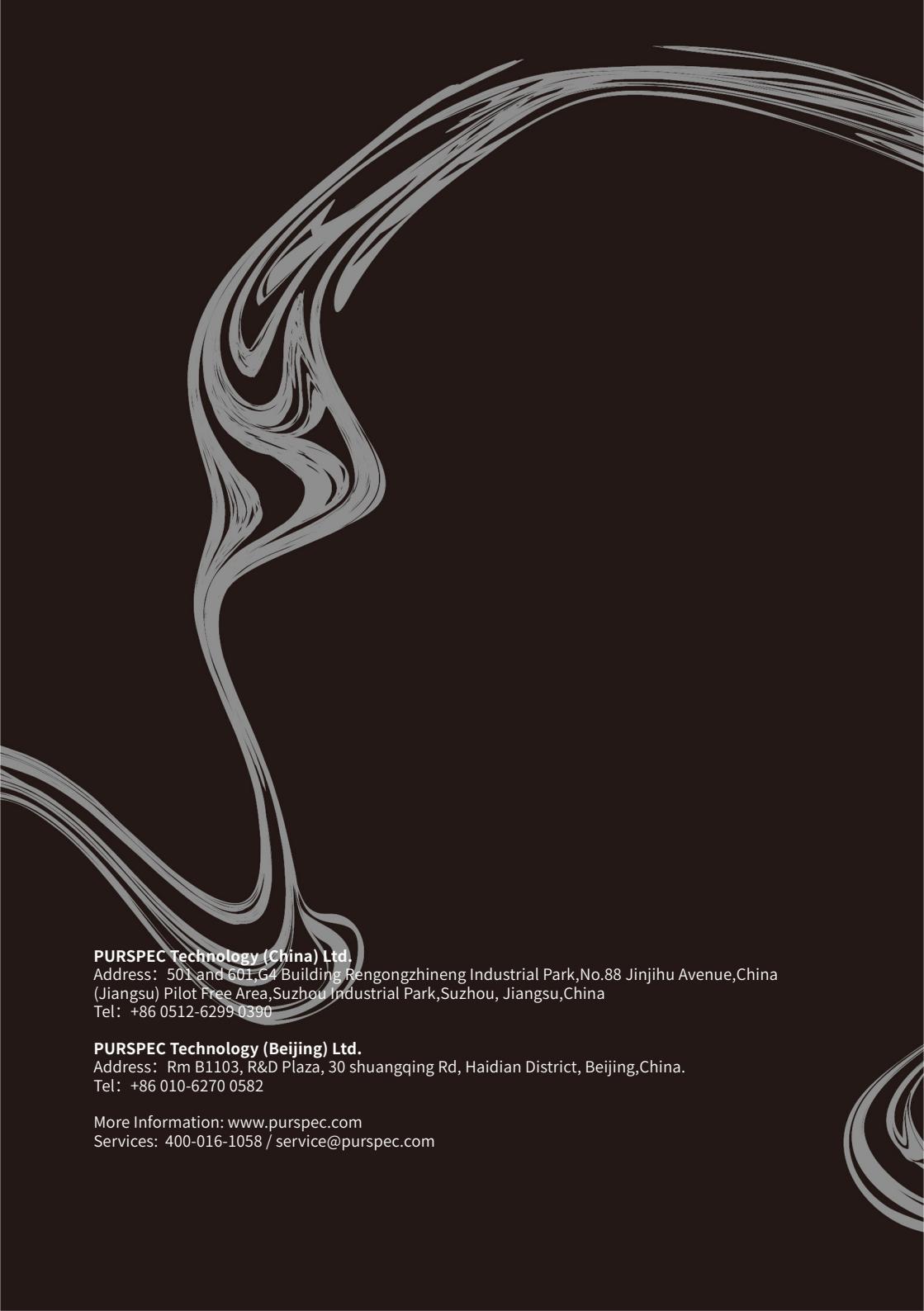
- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



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