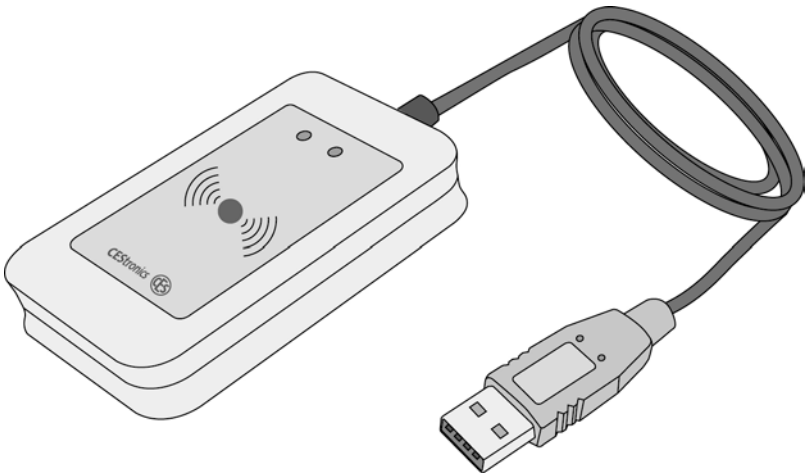



**CES OMEGA FLEX
Desktop-Writer DTW**

Operating Instructions



Translated fitting and
operating instructions
Version 0, 2017

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2 Notes on the layout

In these Fitting and Operating Instructions, various elements are highlighted with defined layout features:



Additional information on the efficient use of the OMEGA FLEX Desktop-Writer DTW



Reference to additional information



Notes on the correct disposal

-
- ▶ Steps in a sequence of actions. Tips with this symbol require you to perform an action
-

3 Preface

These Fitting and Operating Instructions will help you fit and use the OMEGA FLEX Desktop-Writer DTW (the "DTW") as intended, safely and advantageously.

Any person who programs, operates or disposes of this DTW must have read and understood the entire contents of these Operating Instructions.

These Operating Instructions should be kept within reach at all times as long as the DTW is used. These Operating Instructions should be handed over to the end users.



Be sure to use the most recent version of these Operating Instructions. Updated versions are available free of charge at www.ces.eu.

3.1 Versions

These Operating Instructions only apply to:

CES OMEGA FLEX Desktop-Writer DTW, in all variants

3.2 Manufacturer and Service

The manufacturer of the DTW is:

C.Ed. Schulte GmbH
Zylinderschlossfabrik
Friedrichstr. 243
42551 Velbert
Tel: +49 (0) 2051-204-0
Fax: +49 (0) 2051-204-229
www.ces.eu

For service support please contact your professional CES partner.

3.3 Target group

These Fitting and Operating Instructions are intended for trained fitting staff, maintenance staff and operators.

As regards the use of these Operating Instructions, it is assumed that the necessary technical knowledge on how to use the product as intended is available.

The necessary product training is provided by your professional CES partner. If this has not yet taken place, please contact your professional CES partner to obtain training on the product.



NOTICE

Unintended condition of your system possible!

If you are not fully familiar with the various possibilities of your system, it may perform unexpected functions.

- ▶ If you program the OMEGA FLEX system, you must be clearly aware of the consequences of your programming to prevent undesired results.
 - ▶ If there are functions of the OMEGA FLEX system you do not understand, contact your professional CES partner to obtain further information.
 - ▶ Always satisfy yourself that your programming produces the desired result.
-

4 For your safety

4.1 Explanation of the safety notes

These Fitting and Operating Instructions include safety notes of the following types:



NOTICE

These notes warn against possible property or environmental damage.

4.2 Intended use

The OMEGA FLEX Desktop-Writer DTW and its components serve to reading and writing Transponder media to use only with the CESTronics Software-Suite.

The OMEGA FLEX Desktop-Writer DTW must not be changed without our written consent.

It is exclusively intended and may only be used for that purpose.

Any other use is considered to be improper and may result in property damage or even personal injury.

C.Ed. Schulte GmbH Zylinderschlossfabrik does not accept any liability for any damage resulting from improper use.

4.3 CE Declaration of Conformity

The Declaration of Conformity is available online via www.ces.eu

4.4 Basic safety instructions

Observe all warnings and notes in these Fitting and Operating Instructions when fitting, programming and using the DTW.

- ▶ To prevent danger to life and limb, the following safety instructions must be observed:

4.4.1 Danger of explosion

Live parts of the DTW may cause an explosion. Do not use the DTW in potentially explosive atmospheres.

4.4.2 Danger of poisoning

Always keep the DTW out of the reach of children. There is a risk that children swallow small parts such as batteries or screws.

4.4.3 Danger of suffocation

Never allow children to play with packaging material and/or plastic bags. There is a risk that children pull them over their head and suffocate.

4.4.4 Danger of property damage

- ▶ To prevent property damage, the following safety instructions should be observed:
- ▶ Always have repairs performed by properly qualified personnel. This way, you will avoid incorrect repairs.
- ▶ Only use accessories and spare parts recommended by CES. This way, you will avoid device failures and secure the warranted performance.
- ▶ Do not drop any parts of the DTW on the floor, on hard surfaces or on hard objects. Otherwise you may damage parts of the DTW.
- ▶ Protect the electronic components of the DTW against water and other liquids to prevent damage.

- ▶ The DTW contains highly sensitive electronic parts that may be damaged or destroyed through static charges. Do not disassemble the DTW in rooms with built up static charge.

4.4.5 Danger through environmental conditions

- ▶ To prevent damage and/or danger through environmental conditions, be sure to observe the following instructions:
 - Do not use the DTW in corrosive atmospheres (chlorine, ammonia, lime water).
 - Only use the DTW in rooms in which the humidity does not exceed 95%.
 - Do not use the DTW in rooms with a high level of dust formation.
 - Do not use the DTW near sources of heat.

4.4.6 Danger of malfunctions

- ▶ The reading devices of the DTW must not be covered with any metallic material.

Otherwise the DTW will not be able to read media.

5 Introduction

5.1 Description

CES OMEGA FLEX Desktop-Writer DTW



DTW to use only with the CEStronics Software-Suite

The DTW serve to reading and writing Transponder media to use only with the CEStronics Software-Suite.

The DTW allows you to upload and program the data of your locking media and Master media into the software and into your media – you no longer have to enter the required data manually.

Place the medium you wish to read or program on the reading area of the DTW, then go to the "Media" or "Master media" menu in the Software-Suite. Click on "Read medium" or "Program medium", and your media can be used.

The data transmission between the components is encrypted.

- Other features of the DTW:
- No power supply required, power supply via USB port
- Readable transponder media: Mifare Classic Standard 1k/4k, all transponders according to ISO 14443, DESFire EV1
- Writeable transponder media: Mifare Classic 4k
- No additional driver installation required (certified drivers).

5.2 Scope of delivery

- ▶ Before proceeding with fitting and commissioning, please check the contents of the package and the scope of delivery.
- ▶ Take the DTW out of the package and remove all packaging material such as film, filling and packaging board.
- ▶ Check new devices for transport damage and inform your dealer promptly if any damage is found.

The scope of delivery is as follows:

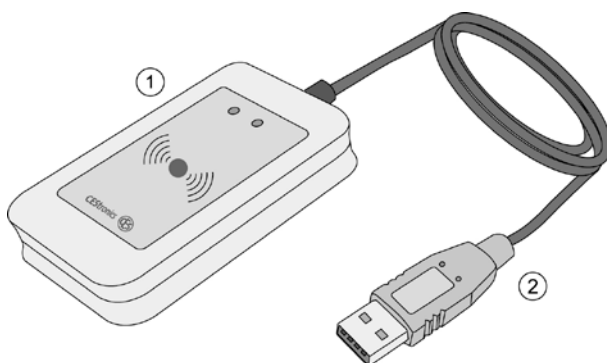


Fig. 1 - Scope of delivery per article

1	Desktop-Writer DTW
2	Plug-in USB connector cable (type A/B)

6 Using the DTW

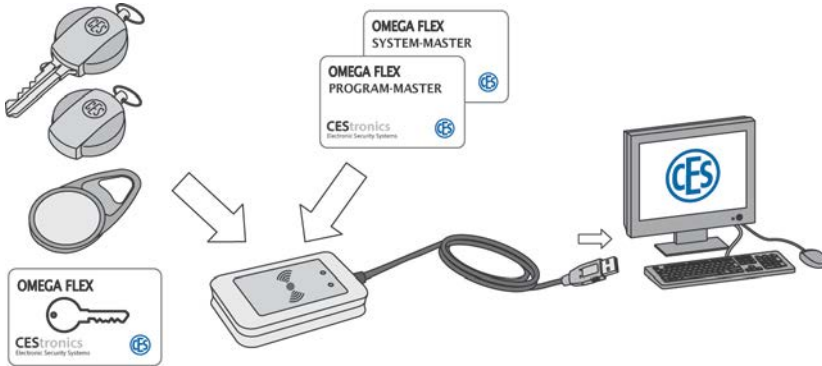


Fig. 2 - Function principle

To use the DTW, proceed as follows:

- ▶ Insert the USB plug of the DTW into a free USB port of your PC.

The driver should be installed automatically. If not, you will have to install the driver manually (for which you need administrator rights at your PC):

- ▶ Start the hardware recognition of your operating system (Windows 7™ or Windows 8™) to install the driver from the path below.
- ▶ To do so, select **Control Panel > Devices and Printers > Add device.**

- ▶ For the hardware installation open the following file path:

C:\Programms\Omega\Driver\Mifare or FLEX\DesktopReader

- ▶ Follow the instructions of your operating system for the installation.

The installation is now complete and you can start using the DTW:

- ▶ Launch the CESTronics Suite software and log in.
- ▶ Go to the "Media" or "Master media" submenu, depending on which type of medium you want to read or program.
- ▶ Enter, edit or delete as applicable.
- ▶ Place the medium you wish to read or program on the reading area of the DTW.
- ▶ Click on **Add media** or **Add Master**, as the case may be.
- ▶ Click on **Read medium** or **program**.

The data of your media are transmitted and can be used.

- ▶ If data cannot be transmitted, repeat the driver installation routine or ask your system administrator for support.

6.1 Hardware driver support

Your optional hardware may require drivers for its perfect operation.

These drivers should be installed automatically, yet in some cases, a manual installation may be necessary.

The required drivers are copied into your OMEGA program folder on your hard disk. Depending on your operating system, you will find them under the following paths:

C:\Programme\Omega\Driver\Mifare or FLEX


C:\Programme(x86)\Omega\Driver\Mifare or FLEX



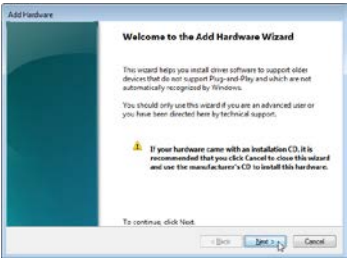
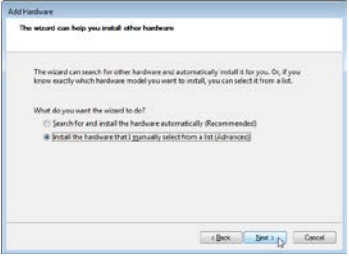
These folders include the drivers for the DTW.

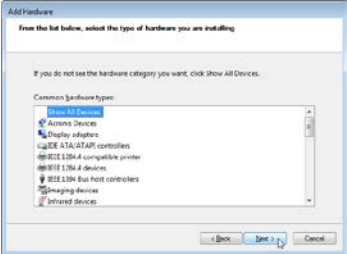
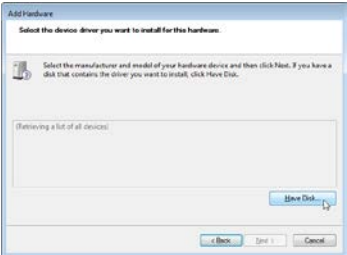
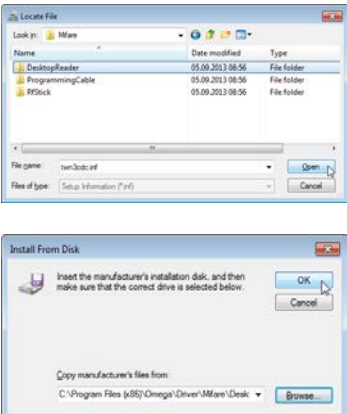
- ▶ To trigger the driver installation, start your standard hardware recognition of your operating system.
- ▶ When you are asked to enter the memory location of the respective driver, enter the folder of the path indicated above.

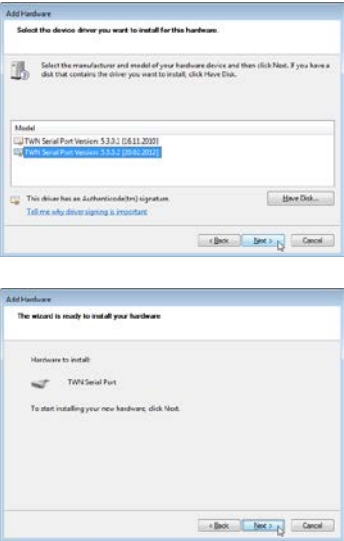
The following describes the hardware installation under a **Windows 7™** operating system.

- ▶ To install the supplied drivers for the hardware, proceed as follows:

<p>1</p>	<p>▶ Open your Windows control panel, and select <i>Devices and Printers</i>.</p>	
-----------------	--	---

<p>!</p>	<ul style="list-style-type: none"> ▶ Verify that the DTW is already installed. If yes, please complete the equipment installation and use the DTW. ▶ If not, proceed to the next step. 	
<p>2</p>	<ul style="list-style-type: none"> ▶ Click on Add a device. 	
<p>3</p>	<ul style="list-style-type: none"> ▶ Click on Next. 	
<p>4</p>	<ul style="list-style-type: none"> ▶ Click on Install the hardware that I manually select from a list. ▶ Click on Next. 	

<p>5</p>	<ul style="list-style-type: none"> ▶ Click on Show all devices. ▶ Click on Next. 	
<p>6</p>	<ul style="list-style-type: none"> ▶ Click on Have disk. 	
<p>7</p>	<ul style="list-style-type: none"> • Select the hardware to be installed: • To install the driver for the DTW, open the folder by double-clicking on the DesktopReader folder icon. • Path: C:\Programme\Omega\Driver\Mifare or FLEX\DesktopReader\ 	

<p>8</p>	<ul style="list-style-type: none"> ▶ Install the driver by double-clicking on <i>twncdc.inf</i>. ▶ Confirm the installation by clicking on <i>OK</i>. ▶ Click twice <i>Next</i>. ▶ Confirm to <i>complete</i> the installation. <p>The driver is now installed.</p>	
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7 Lost master or locking medium



NOTICE

Risk of manipulation!

An unauthorized person may gain possession of a Master medium and manipulate the locking system.

- ▶ Always keep all Master media at a safe and protected place.
- ▶ Secure the storage place so that your Master media cannot fall into the hands of unauthorized persons.

-
- ▶ If one of the locking media is lost, please contact your CES partner.

8 Care

The outer accessible parts of your DTW such as knobs, knob sleeves, covers, fittings, etc. can be cleaned with a soft, slightly moist wipe.



NOTICE

Risk of damage to surfaces of the DTW!

- ▶ Never use solvent-containing cleaning agents to avoid damage to your DTW.

9 Maintenance

The DTW requires no maintenance you need to perform.

10 Spare parts

The DTW does not require any spare parts to be replaced by you.

- ▶ For service support please contact your professional CES partner.

11 Trouble-shooting

Symptom	Possible cause and remedy
Transponder media cannot be read or write	<p><i>The DTW is disconnected.</i></p> <ul style="list-style-type: none"> ▶ Connect the DTW to your computer. ▶ Start the CESTronics software and log-in.
	<p><i>The driver of the DTW is not installed.</i></p> <ul style="list-style-type: none"> ▶ Check the driver installation and if necessary install the driver again (see page 13 ff.).
	<p><i>You have kept the transponder media too far away from the DTW.</i></p> <ul style="list-style-type: none"> ▶ Keep the transponder media closer to the DTW.
	<p><i>The transponder medium is unsuitable.</i></p> <ul style="list-style-type: none"> ▶ Use a suitable transponder medium, as described in the chapter "Technical data" on page 20.

- ▶ If you cannot eliminate the problem anyway, please contact your local partner.

12 Disposal



Neither the DTW, nor parts of the DTW may be discarded with the normal household waste.

- ▶ Always observe the applicable national and regional regulations.

Our packaging is made of environmentally friendly, reusable materials.

It comprises external packaging and inserts made of cardboard, inserts and protective film made of polypropylene (PE).

- ▶ Please dispose of the packaging in an environmentally responsible manner through separate waste streams.
- ▶ Ask your local authorities about recycling and/or the proper disposal of the device in line with environmental regulations.



NOTICE

Risk of environmental pollution by improper disposal!

If you violate the disposal regulations, environmental pollution is possible.

- ▶ Always recycle empty batteries.
- ▶ Adhere to the local disposal regulations.

13 Technical data

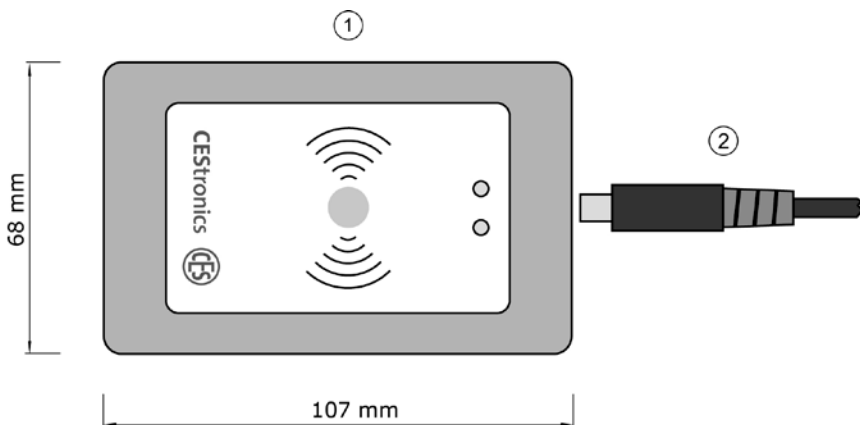


Fig. 3 - Dimensions

① Desktop-Writer	② Plug-in USB connector cable (type A/B)
Part number	342293V
Readable transponder media	Mifare Classic Standard 1k/4K, all transponders according to ISO 14443, DESFire EV1
Writeable transponder media	Mifare Classic 4K
Reading range	Approx. 2 cm, depending on transponder
Online radio frequency	13,56 MHz
Encrypted data transmission	128 Bit/AES
Dimensions (L x H x D)	107 mm x 68 mm x 22 mm

Power supply	Via USB port (Type A/B), 5V, 120 mA
System requirements	Microsoft Windows 7™, Microsoft Windows 8™, one free USB port
Temperature	0 °C to +50 °C
Prohibited atmospheres	Not suitable for use in corrosive atmosphere (chlorine, ammonia, lime water)
Humidity	0 ... 95 % RH, not condensing
CE test	EN 300 330-1 V1.7.1 (2010-02) EN 300 330-2 V1.5.1 (2010-02) EN 301 489-1 V1.8.1 (2008-04) EN 301 489-3 V1.4.1 (2002-08) EN 62369-1 (2009) EN 50364 (2010) EN 60950-1 (2010)

14 Notes on the manufacturer's warranty

As stated in our Standard Terms and Conditions, the manufacturer's warranty does not extend to the following types of damage:

- damage to outer mechanical parts and damage resulting from normal wear and tear
- damage as a consequence of external events or influence
- damage as a consequence of improper operation
- damage as a consequence of excess voltage
- damage as a consequence of fire, water or smoke.

All technical data and features are subject to change without notice.

The information and data contained in this document are subject to change without notice.

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