# Installation and User Guide LOMK218

## Description

LOMK218 is a tool for USB-RS485-conversion, including the USB-RS485-Kabel "USB-RS485-WE-1800-BT" of FTDI with RJ12socket attached and an additional extension cord with RJ12-header at both ends. Data rates up to 250kBaud are supported.



### **Technical data**

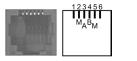
Rated voltage	5VDC (US	B powered)
Indicator	Red and g	reen LED
Ambient temperature (storage)	-30 85°	С
Ambient temperature (operation)	-20 55°	С
Relative humidity	5 95%	
IP rating	IP20	
Headers	USB:	Туре-В
	RS485:	RJ12

## **Declaration of conformity**

The USB-RS485-cable (FTDI) of LOMK218 is CE and FCC certified

D1

### Header and indicator



M:	Ground (Ground RS485 is connected to ground USB with
	a 100Ω-resistor)
A:	D- (RS485)

B: D+ (RS485)

D1 blinking red, if converter is transmitting data to RS485

D2 blinking green, if converter is receiving data from RS485



	To-do											
1	Installation of driver:											
	LOMK218 includes a chipset of FTDI; necessary driver is provided at											
		http://www.ftdichip.com/Drivers/VCP.htm for download.										
	ABL SURSUM will not take any warranty for correct function of driver! Currently Supported VCP Drivers:											
			Processor Architecture									
	Operating System	Release Date	×86 (32-bit)	×64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	Comments		
	Windows*	2011-04-12	2.08.14	2.08.14		-	-	-	-	2.08.14 WHQL Certified Available as[setup executable] Release Notes		
		2011-08-26	<u>2.08.17(Beta)</u>	<u>2.08.17(Beta)</u>	•	-	-		-	2.08.17 Beta Version <u>Release Notes</u>	Use "setup	
	Linux	2009-05-14	1.5.0	1.5.0	-	-	-	-	-	Included in 2.6.31 kernel and later ReadMe	executable" for	
	Mac OS X	2011-02-28	2.2.16	2.2.16	2.2.16	-	-	-	-	Customers wishing to have a VID/PID combination added should contact FTDI Support	Windows <sup>®</sup> -OS	
	Windows CE 4.2-5.2**	2012-01-06	1.1.0.10	-		1.1.0.10	1.1.0.10	1.1.0.10	1.1.0.10			
	Windows CE 6.0	2012-01-06	1.1.0.10	-		1.1.0.10	1.1.0.10	1.1.0.10	1.1.0.10			
	*includes the fo	llowing version	ns of the Windo	ws operating sv	(stem: V	Vindows X	P. Windov	vs Server :	2003. Win	dows Vista. Windows Server		
	2008. Windows "setup ex	7. Windows S ecutable allation evice mu 3 is detee	Server 2008 R2. E" autom LOMK21 st not be cted by P	atically ir 3 can be connecto C automa	nstall conn ed to atical	s drive ected RS48 ly as v	er on l to PC 5-head virtual	PC by inc der! COM-	cluded -port (			
2	2008. Windows "setup ex After inst Target de LOMK218	7. Windows S ecutable allation evice mu 3 is detection v ication v	Server 2008 R2. E" autom LOMK212 st not be cted by P ria LOMK rice to RS	atically ir 3 can be connecto C automa 218 is ena 485-head	nstall conn ed to atical ablec der w	s drive ected RS48 ly as v l by us rith su	er on l to PC 5-head rirtual sing as pplied	DC by inc der! COM- ssigne	-port ( d COM	USB-cable. VCP) 1-port	y is required.	

# Trouble-shooting

Problem	To do
LOMK218 is not detected by PC	Check download and installation of correct driver.
Malfunction of data-transfer	Restart LOMK218 by reconnecting USB-cable; RS485-headers must be left unconnected until LOMK218 is detected by PC properly