



KRAMER ELECTRONICS LTD.

USER MANUAL

MODEL:

**K-Able/XL Box
Cable Retractor**

P/N: 2900-300441 Rev 3

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1 Introduction

Welcome to Kramer Electronics! Since 1981, Kramer Electronics has been providing a world of unique, creative, and affordable solutions to the vast range of problems that confront video, audio, presentation, and broadcasting professionals on a daily basis. In recent years, we have redesigned and upgraded most of our line, making the best even better!

Our 1,000-plus different models now appear in 14 groups that are clearly defined by function: GROUP 1: Distribution Amplifiers; GROUP 2: Switchers and Routers; GROUP 3: Control Systems; GROUP 4: Format/Standards Converters; GROUP 5: Range Extenders and Repeaters; GROUP 6: Specialty AV Products; GROUP 7: Scan Converters and Scalers; GROUP 8: Cables and Connectors; GROUP 9: Room Connectivity; GROUP 10: Accessories and Rack Adapters and GROUP 11: Sierra Video Products; GROUP 12: Digital Signage; and GROUP 13: Audio, and GROUP 14: Collaboration.

Congratulations on purchasing your Kramer Desktop **K-Able/XL Box Cable Retractor** which is ideal for the following typical applications:

- Boardrooms
- Conference rooms
- Training rooms
- Bring-your-own laptop environments

2 Getting Started

We recommend that you:

- Unpack the equipment carefully and save the original box and packaging materials for possible future shipment
- Review the contents of this user manual



Go to http://www.kramerav.com/downloads/K-Able_Box to check for up-to-date user manuals, application programs, and to check if firmware upgrades are available (where appropriate).

2.1 T-Bus Compatibility

The **K-Able/XL Box** can be used in conjunction with the following Kramer table mounting units:

- **TBUS-1A**
- **TBUS-3**
- **TBUS-4**
- **TBUS-5**
- **TBUS-6**
- **TBUS-10**

2.2 Recycling Kramer Products

The Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC aims to reduce the amount of WEEE sent for disposal to landfill or incineration by requiring it to be collected and recycled. To comply with the WEEE Directive, Kramer Electronics has made arrangements with the European Advanced Recycling Network (EARN) and will cover any costs of treatment, recycling and recovery of waste Kramer Electronics branded equipment on arrival at the EARN facility. For details of Kramer's recycling arrangements in your particular country go to our recycling pages at <http://www.kramerelectronics.com/support/recycling/>.

3 Overview

The **K-Able/XL Box** is a furniture-mounted cable extender and retractor that is easily installed underneath a table-top or in a podium. The **K-Able/XL Box** is available with of the following cable types:

- VGA
- Audio
- VGA and audio
- HDMI
- USB-A
- LAN
- DisplayPort

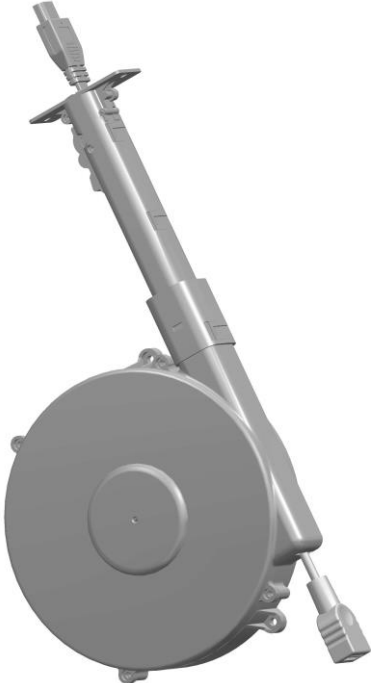



The **K-Able/XL Box** can be mounted:

- Vertically within the Kramer TBUS range of products
- Horizontally underneath a table or shelf

Note: The HDMI cable version is used throughout this manual as an example. Exactly the same principles apply to all other cable types.

3.1 Component Identification

The following table lists the components that are supplied with the **K-Able/XL Box** and their descriptions.

Item	Qty	Description
	1	K-Able/XL Box
	3	M3 x 8mm countersunk machine screws
	4	#4 x 1/2" countersunk wood screws
	4	M3 washers

4 Defining the K-Able/XL Box Cable Retractor

Figure 1 defines the front panel of the **K-Able/XL Box**.

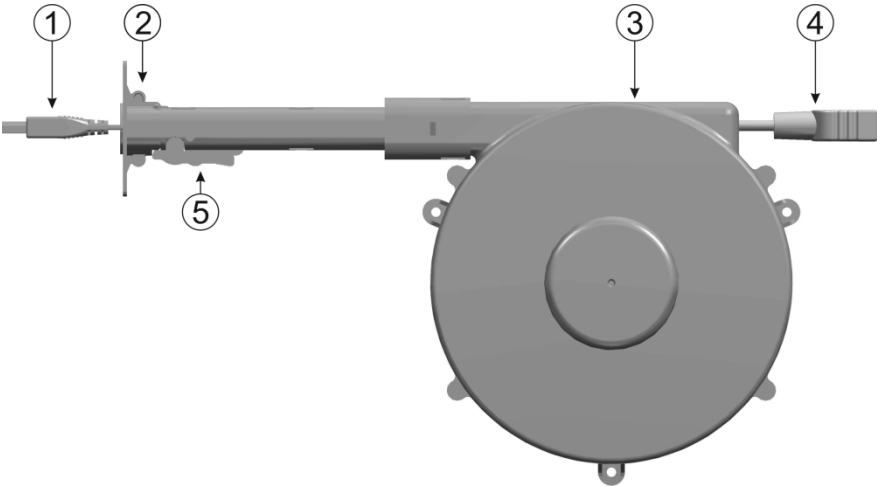


Figure 1: K-Able/XL Box Cable Retractor Front Panel

#	Feature	Function
1	Cable—Extendable End	Connect to the mobile user device, for example, a laptop
2	Hinged Top	Press the clip (5) to unlock the hinged top when necessary to facilitate manipulating the device into a TBUS housing
3	Main Body	Contains the cable and retraction mechanism
4	Cable—Fixed End	Connect to room wiring infrastructure, for example, leading to a switcher or projector
5	Hinged Top Clip	Used to latch the top closed

5 Mounting the K-Able/XL Box

This chapter comprises:

- Mounting the **K-Able/XL Box** vertically in a **TBUS**, (see [Section 5.1](#))
- Mounting multiple **K-Able/XL Box** units vertically in a **TBUS**, (see [Section 5.2](#))
- Mounting the **K-Able/XL Box** horizontally, (see [Section 5.3](#))

5.1 Mounting the K-Able/XL Box Vertically

[Figure 2](#) shows a single **K-Able/XL Box** mounted vertically inside a TBUS unit.

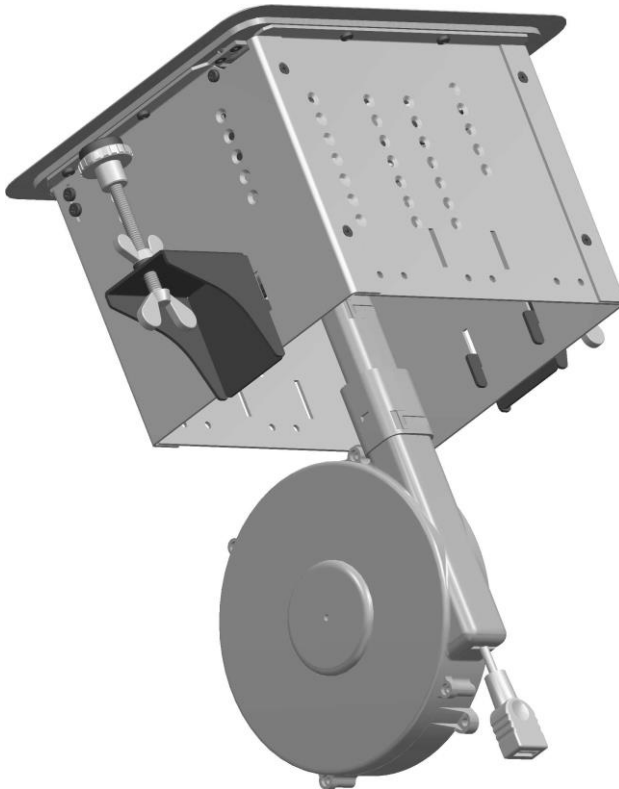


Figure 2: Mounting a Single K-Able/XL Box Vertically in a TBUS Unit

To mount a single **K-Able/XL Box** vertically in a TBUS unit as illustrated in the example in [Figure 2](#):

1. Remove the blanking plate from the required position in the TBUS unit.
2. From the underneath of the TBUS unit, insert the extendable cable end of the **K-Able/XL Box** and align it with the mounting holes in the TBUS unit plate. Where conditions dictate, unlock the hinged top of the **K-Able/XL Box** (as shown in [Figure 3](#)) to make it easier to manipulate the **K-Able/XL Box** into position.

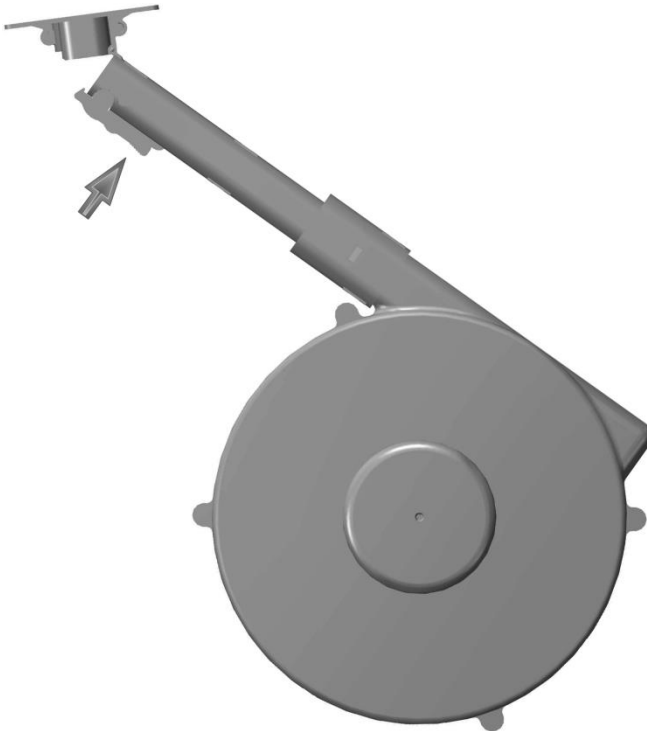


Figure 3: Hinged Top Shown Open

3. Secure the **K-Able/XL Box** to the TBUS plate using the two countersunk, machine screws supplied.

5.2 Mounting Multiple K-Able/XL Box Units Vertically

You can mount multiple **K-Able/XL Box** units vertically in a TBUS unit as shown in [Figure 4](#). The maximum number of **K-Able/XL Box** units depends on the specific TBUS unit and also on what other items are installed in the TBUS unit.

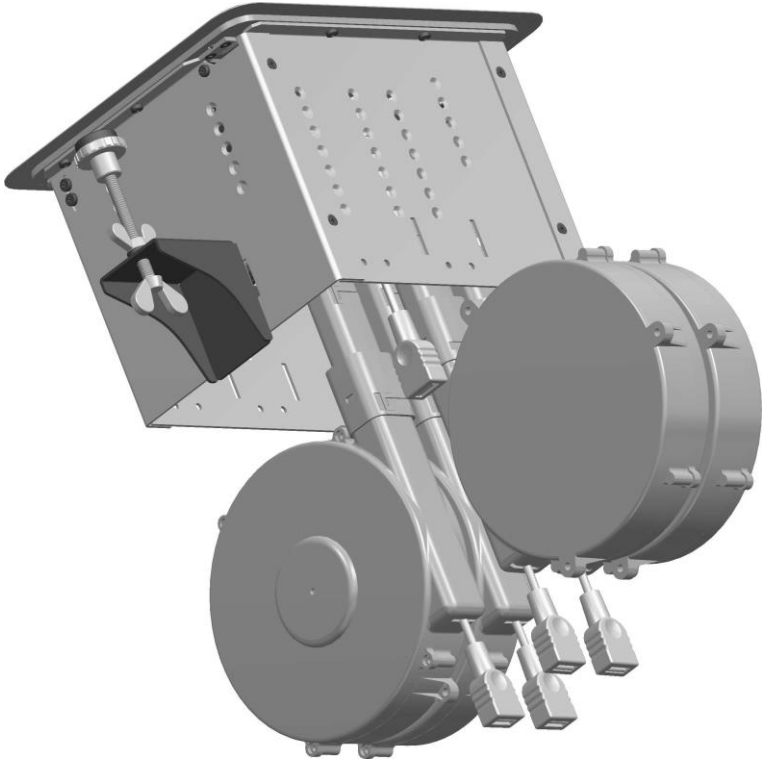


Figure 4: Mounting Multiple K-Able/XL Box Units Vertically

Note: Each **K-Able/XL Box** unit occupies slightly more than the width of a single slot in a TBUS unit, therefore two **K-Able/XL Box** units cannot be mounted in two adjacent slots unless there is a space in between as shown in [Figure 5](#).

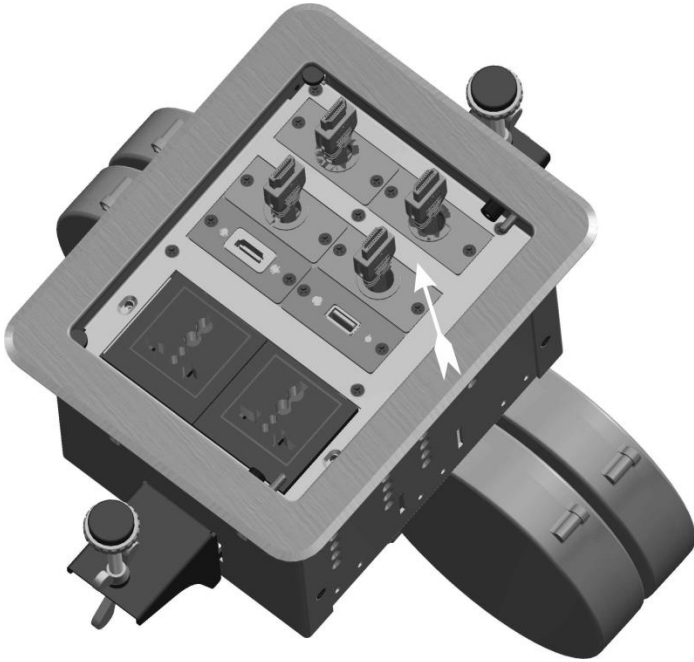


Figure 5: Space between Adjacent K-Able/XL Box Units

The procedure for mounting multiple **K-Able/XL Box** units is the same as for mounting a single unit. For instructions, see [Section 6](#).

5.3 Mounting the K-Able/XL Box Horizontally

The **K-Able/XL Box** can be mounted horizontally to the underneath of a surface, (such as, a table) using the three supplied wood screws as shown in [Figure 6](#).

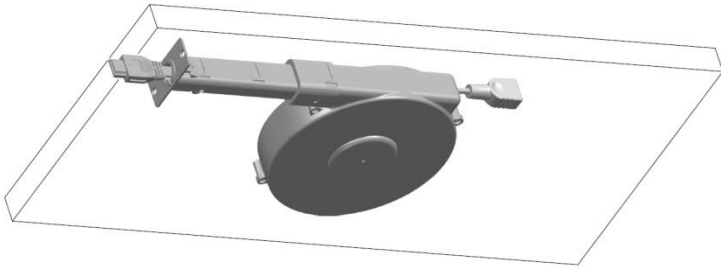


Figure 6: Mounting the K-Able/XL Box Horizontally

To mount the K-Able/XL Box horizontally as illustrated in [Figure 6](#):

- Position the **K-Able/XL Box** relative to the edge of the table and secure it using the three wood screws and washers supplied. The screws and washers are inserted into the mounting lugs as shown in [Figure 7](#).

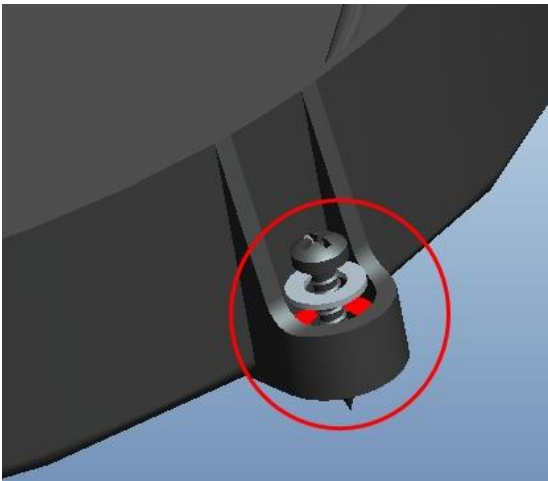


Figure 7: Mounting Lug

6 Using the K-Able/XL Box

6.1 Extending the Cable

To extend the cable:

1. Extend the free end of the cable until the required length is exposed.
2. Extend the cable a short distance further.
3. Release the cable.

The lock engages and prevents the cable from retracting.

6.2 Retracting the Cable

To retract the cable:

1. Extend the cable a short distance until the cable lock clicks.

The lock is disengaged.

2. Allow the cable to retract keeping it under a light tension.



When the lock disengages do not let go of the cable and allow it to retract unrestrained or the mechanism/cable may be damaged.

In the event that there is a problem with getting the cable to retract, extend the cable fully and the mechanism will disengage.

7 Technical Specifications

DIMENSIONS:	25.0cm x 13.5cm x 3.3cm (9.84" x 5.31" x 1.3")
DEVICE WEIGHT:	0.29kg (0.64lbs) approx.
SHIPPING WEIGHT:	0.35kg (0.77lbs) approx.
EXTENDED USABLE CABLE LENGTH:	1.5m (4.9ft)
PIGTAIL LENGTH:	38cm (15in)
TOTAL CABLE LENGTH:	2.7m (8.9ft)
ACCESSORIES:	3 x M3 x 8mm vertical mounting countersunk head machine screws 4 x #4 x ½" horizontal mounting countersunk head screws 4 x M3 washers
Specifications are subject to change without notice at http://www.kramerelectronics.com	

LIMITED WARRANTY

The warranty obligations of Kramer Electronics for this product are limited to the terms set forth below:

What is Covered

This limited warranty covers defects in materials and workmanship in this product.

What is Not Covered

This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by Kramer Electronics to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover cartons, equipment enclosures, cables or accessories used in conjunction with this product.

Without limiting any other exclusion herein, Kramer Electronics does not warrant that the product covered hereby, including, without limitation, the technology and/or integrated circuit(s) included in the product, will not become obsolete or that such items are or will remain compatible with any other product or technology with which the product may be used.

How Long Does this Coverage Last

One year as of this printing; please check our Web site for the most current and accurate warranty information.

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Only the original purchaser of this product is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

What Kramer Electronics will do

Kramer Electronics will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

1. Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition. Kramer Electronics will also pay the shipping costs necessary to return this product once the repair is complete.
2. Replace this product with a direct replacement or with a similar product deemed by Kramer Electronics to perform substantially the same function as the original product.
3. Issue a refund of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.

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If this product is returned to Kramer Electronics or the authorized dealer from which it was purchased or any other party authorized to repair Kramer Electronics products, this product must be insured during shipment, with the insurance and shipping charges prepaid by you. If this product is returned uninsured, you assume all risks of loss or damage during shipment. Kramer Electronics will not be responsible for any costs related to the removal or re-installation of this product from or into any installation. Kramer Electronics will not be responsible for any costs related to any setting up this product, any adjustment of user controls or any programming required for a specific installation of this product.

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To obtain a remedy under this limited warranty, you must contact either the authorized Kramer Electronics reseller from whom you purchased this product or the Kramer Electronics office nearest you. For a list of authorized Kramer Electronics resellers and/or Kramer Electronics authorized service providers, please visit our web site at www.kramerelectronics.com or contact the Kramer Electronics office nearest you.

In order to pursue any remedy under this limited warranty, you must possess an original, dated receipt as proof of purchase from an authorized Kramer Electronics reseller. If this product is returned under this limited warranty, a return authorization number, obtained from Kramer Electronics, will be required. You may also be directed to an authorized reseller or a person authorized by Kramer Electronics to repair the product.

If it is decided that this product should be returned directly to Kramer Electronics, this product should be properly packed, preferably in the original carton, for shipping. Cartons not bearing a return authorization number will be refused.

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Other Conditions

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We welcome your questions, comments, and feedback.

Web site: www.kramerelectronics.com

E-mail: info@kramere1.com



SAFETY WARNING

Disconnect the unit from the power supply before opening and servicing

P/N: 2900-300441



Rev: 3

