

# Quick Start Guide

## EE2CL Extended Ethernet 200 Series



### Introduction

Welcome to KBC Networks' Quick Start Guide for the EE2CL, 10/100 Ethernet line driver and kits. This document provides some quick tips on how to get up and running. For more detailed information see the Downloads section below.

### Features

- IEEE 802.3af/at compliant
- Supports up to 4 IP cameras
- Straight forward configuration
- High data rates
- LED indicators
- Transmission distances up to 1.5km
- Compact unit
- High density rack system



### Downloads

Installation manual - other features and functions are described in the unabridged manual:  
<http://www.kbcnetworks.com/downloads>

Specification Sheets:  
<http://www.kbcnetworks.com/downloads>

Joining Guide (Where there are 2 or more master units connected to a switch)  
<http://www.kbcnetworks.com/downloads>

### System Contents

#### EE2CL-1KT

##### Qty Description

2	EE2CL Extended Ethernet unit
1	48Vdc, 1.25A Power Supply Unit

#### EE2CL-2KT

##### Qty Description

3	EE2CL Extended Ethernet unit
1	48Vdc, 1.25A Power Supply Unit
1	BNC-T Splitter Adaptor

## EE2CL-3KT

### Qty Description

4	EE2CL Extended Ethernet unit
1	48Vdc, 1.25A Power Supply Unit
1	1:4 BNC Splitter Adaptor

## EE2CL-4KT

### Qty Description

5	EE2CL Extended Ethernet unit
1	48Vdc, 1.25A Power Supply Unit
1	1:4 BNC Splitter Adaptor

The following are also available as individual units:

EE2CL-1:	Extended Ethernet unit
GS60A-48-P1J:	48Vdc, 1.25A PoE Power Supply Unit
EE2CL-RK:	19" high density rack system
EE-BNC4:	1:4 BNC Splitter Adaptor
EE-BNC2:	BNC T-Splitter

## Equipment Required for Physical Deployment

You will need a 48Vdc, 1.25A power supply; this is supplied with each kit.

## Physical Deployment

This equipment must be installed and operated in accordance with instructions found in the KBC Networks' manual; failure to comply with these instructions will invalidate warranty.

## Configuring the EE2CL

### Basic configuration

1. Remove all the packaging materials and labels.
2. Choose a Master EE2CL unit; this can be any of the units purchased.
3. Connect the 48Vdc power supply to the Master EE2CL unit.
4. Check that the blue LEDs on both EE2CL units are lit.

### Connecting the EE2CL to the camera

1. Mount the EE2CL near to the IP camera.
2. Connect an RJ45 cable between the camera and the RJ45 connector on the EE2CL unit.
3. Connect the coaxial cable to the BNC connector on the EE2CL unit.
4. If multiple camera units connect to a single Master unit then the 1:4 BNC Splitter Adaptor or BNC-T adapter will be required.









**Note:** Depending on power requirements and cable distances power for both the Master and Slave EE2CL units and the IP cameras can be supplied from the PSU located at the Master EE2CL unit. For high power or long distance systems, multiple PSU units will be required; see the full KBC Networks' manual for further information.

## Connecting the Master EE2CL unit at the Control Room

1. Mount the Master EE2CL unit in the Control Room.
2. Connect the coaxial cable to the BNC connector on the EE2CL unit.
3. Connect the supplied 48Vdc PSU to the EE2CL unit
4. Connect the RJ45 cable from the EE2CL unit to the Control Room equipment.
5. The green LEDs will light when a network link is established and flash to show when data traffic is being passed.

**Note:** If a high density 19" rack unit is being used, please follow instructions supplied with this device.

## EE2CL Status Indicators

LED	Status	Description
<b>Power</b>	 ON	Power is supplied to the unit
	 OFF	No power to the unit
<b>BNC</b>	 ON	Another EE2CL unit has been detected
	 FLASH	Link activity
	 OFF	No link established
<b>PoE</b>	 ON	Link active
	 FLASH	Ethernet activity and joining function
	 OFF	No link established

## Compliance

### FCC

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:

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

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### Industry Canada

This Class A digital apparatus complies with Canadian ICES-003. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (E.I.R.P.) is not more than that permitted for successful communication. This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- This device may not cause interference, and
- This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 Canada. Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisis de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie. Cet appareil est conforme à la norme RSS Industrie Canada exempts de licence norme(s). Son fonctionnement est soumis aux deux conditions suivantes:  
17 Compliance

- Cet appareil ne peut pas provoquer d'interférences et
- Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

## CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

This equipment may be operated in the following countries:

Great Britain and Northern Ireland, Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Portugal, Romania, Switzerland, Sweden

## Installer Compliance Responsibility

Devices must be professionally installed and it is the professional installer's responsibility to make sure the device is operated within local country regulatory requirements.

## RoHS/WEEE Compliance Statement

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

## Need Help?

Visit our website <http://www.kbcnetworks.com> or contact your nearest KBC office or dealer:

### USA

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