

# KM-Sonar manual

## 1. Introduction

KM-Sonar is a Fishfinder black box designed to work with a PC or Onwa Multi-function display onboard a boat to provide fishfinder functions. Wide input supply voltage from 10.5VDC to 32VDC can be suitable to use any kinds of vessels.



## 2. Instruction to use

- Connect KM-sonar to a PC or Onwa Multi-function display
- Connect transducer to KM-Sonar
- Connect the DC power (10.5VDC to 32VDC) to KM-Sonar
- Switch on the KM-Sonar , you will see power indicator lights up.

## 3. Panel descriptions



Power connector

Transducer/temperature sensor

High power transducer



USB port

ON/OFF switch

#### 4. Verifying the contents

When you first time open the box of your KM-sonar please confirm you have following items inside the box :

- KM-sonar main unit
- Power cable (2 meters) x 1
- USB cable (1 meter) x 1
- Manual x 1

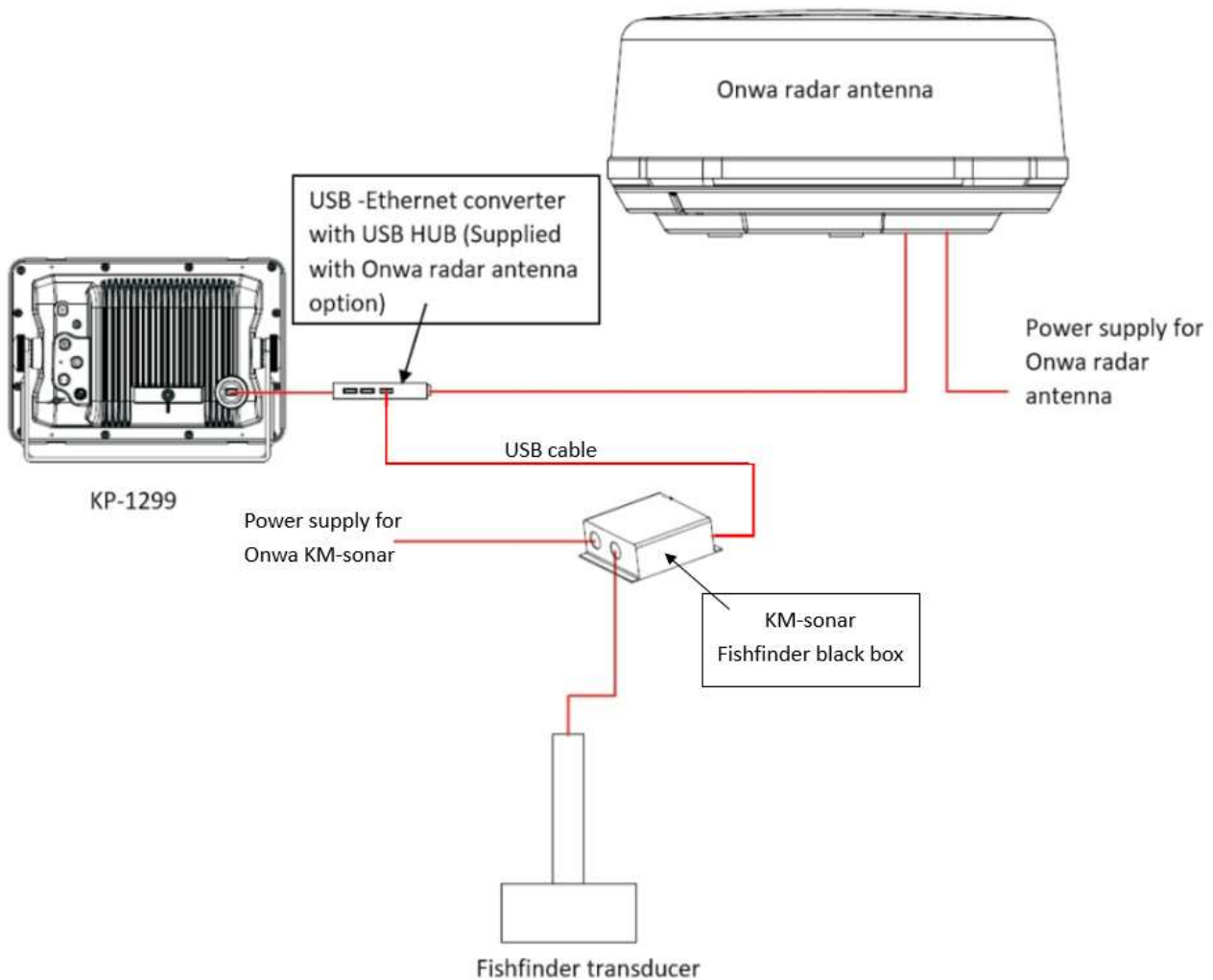
#### 5. Specifications

- Operating frequency : 50KHz and 200KHz
- Transmitting output power : 1KW RMS max.
- Power supply : 10.5 – 32VDC, max. 500ma at 12VDC (no transducer is connected)
- Working temperature : -20°C - +55°C
- Humidity : 90% +/-3% at 40°C
- Waterproof : IPX2

#### 6. Example of connections :

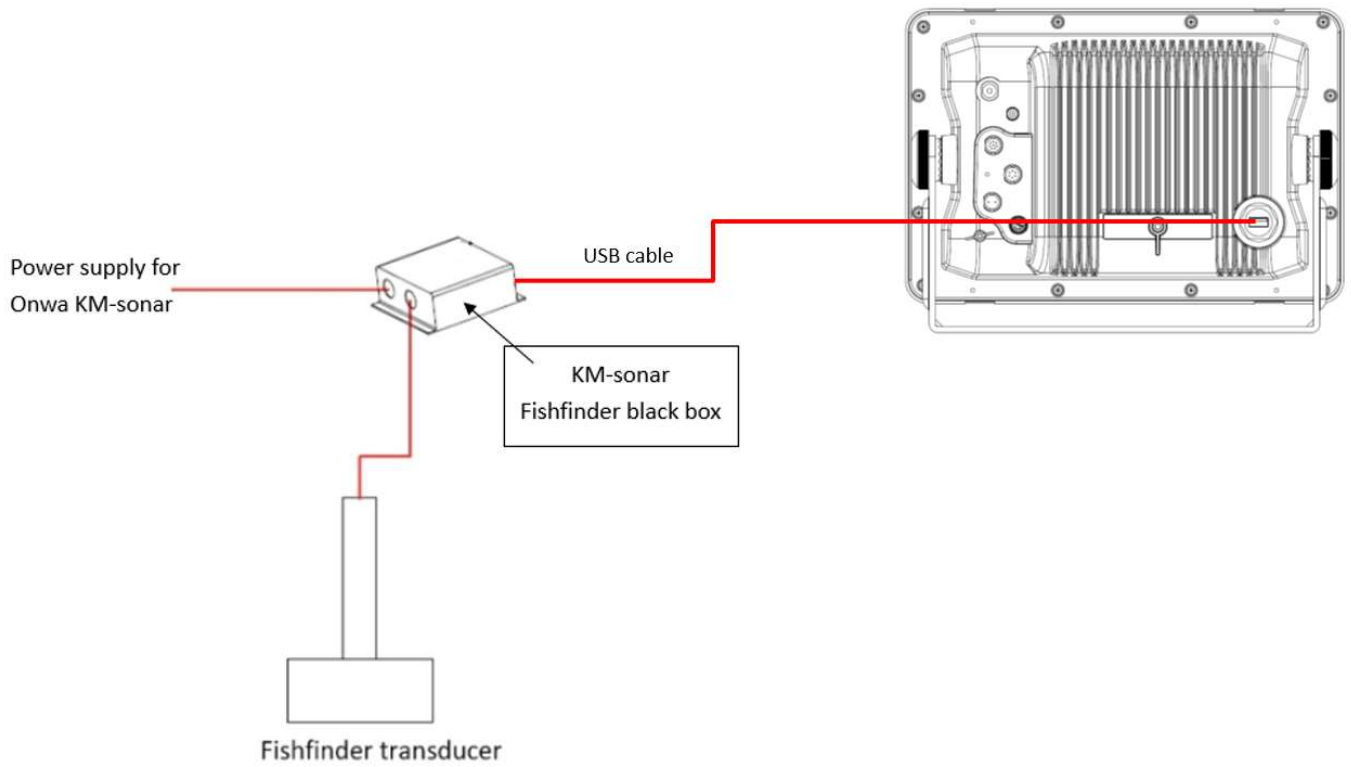
##### Example 1

Connect KM-sonar to Onwa Multi-functions display through USB-Ethernet converter



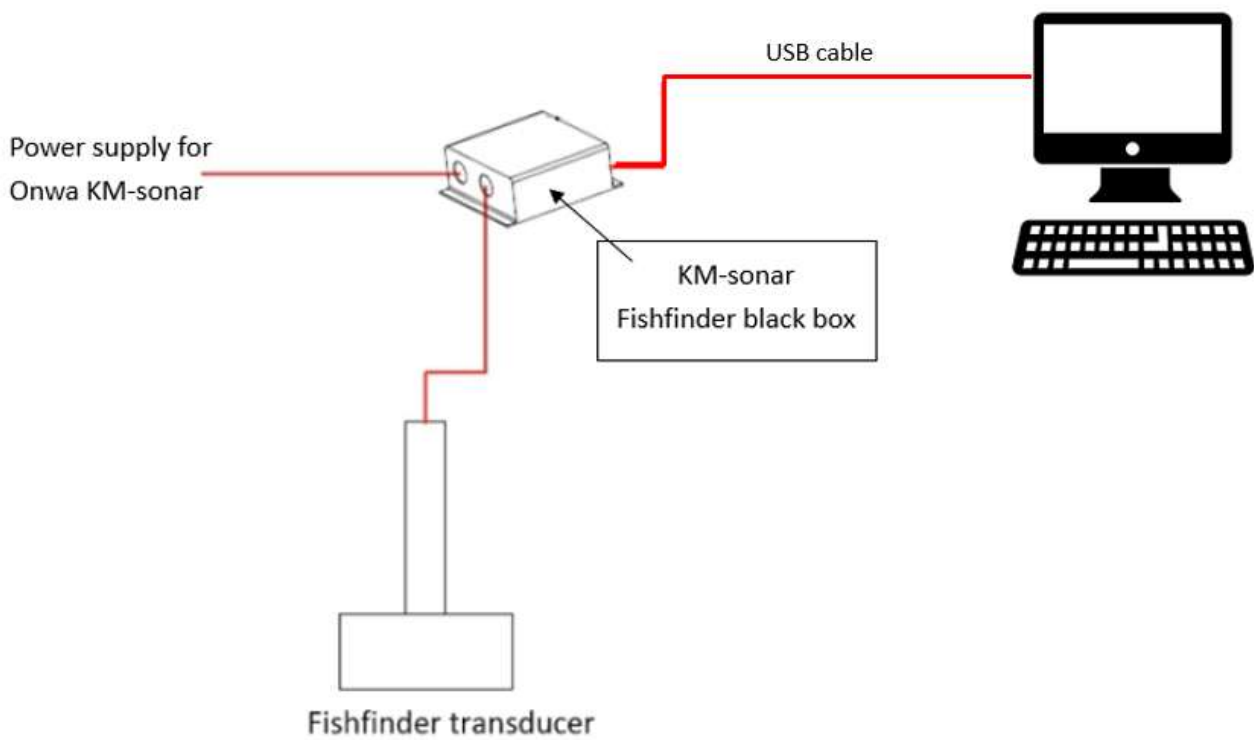
### Example 2

Connect KM-sonar directly to Onwa Multi-functions display



### Example 3

Connect KM-sonar to PC (with Onwa Fishfinder PC software)



7. Dimensions (in mm)

