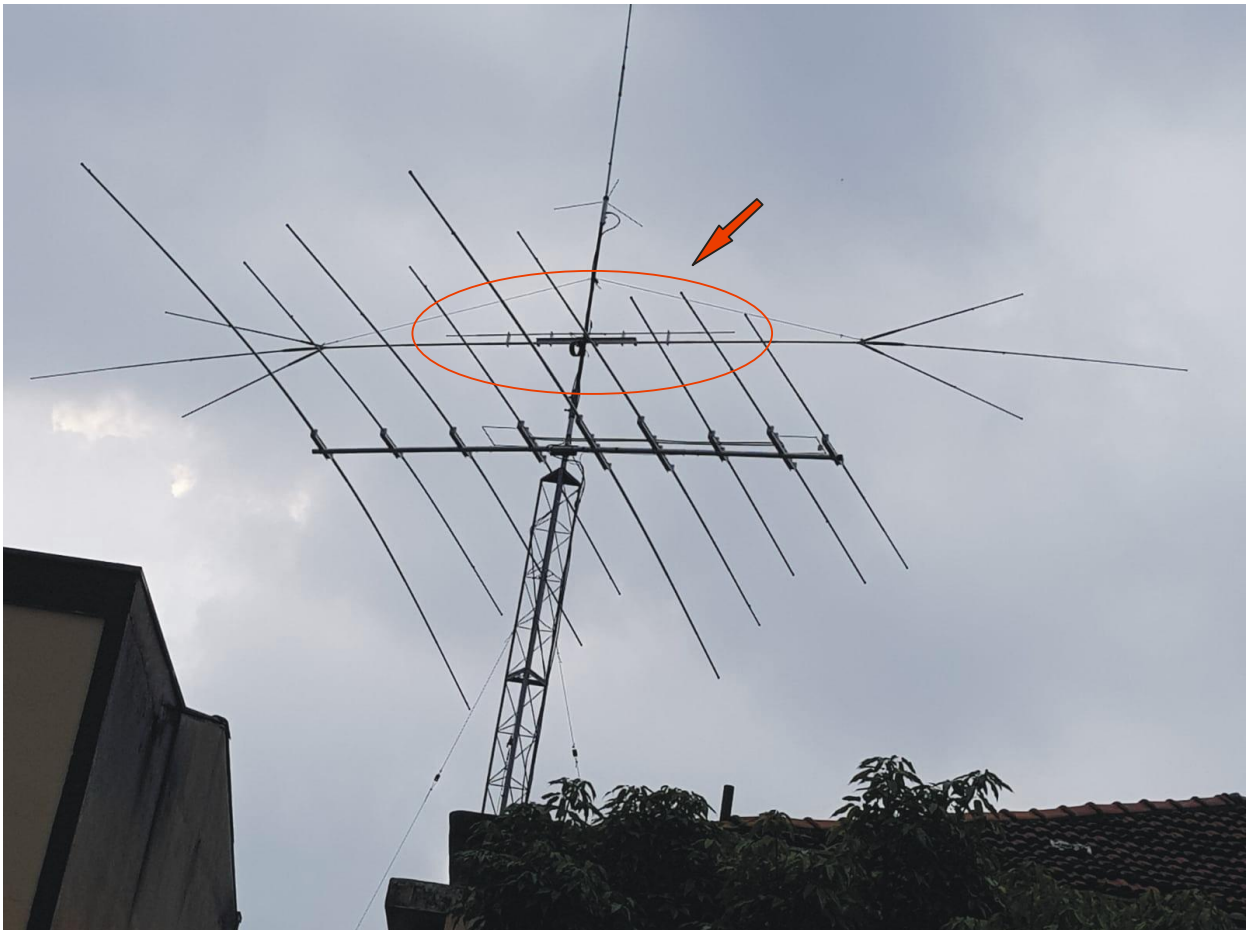


# K6

KIT 6M BAND

## PARASITE ELEMENT FOR 6M



Thank you for purchasing our products. Be sure to read the manual, it is important to better understand the product to make the most of it.

## **ASSEMBLY AND INSTALLATION INSTRUCTIONS**

### **1. GENERAL INFORMATION**

DIEX manufactures a range of antennas designed and produced to give top performance and reliable long lasting service. They are completely manufactured of non-corrosive materials. The antennas come partly factory-assembled in order to facilitate and expedite your labor.

#### 1.1. Introduction and Description

**This is a parasite antenna for 6M, it needs a horizontal antenna from the DXA, DXS, DXW OR D families.**

This manual explains how to assemble the DIEX KIT K6. The K6 is a parasite antenna that covers the VHF spectrum between 50.000 – 54.000 mhz (tunable) It can be used with the full power of 300 W PEP.

#### 1.2. Owner Assistance

If assistance or service is needed, your local dealer should be contacted first. In the unlikely event, you need further information you may get in touch with DIEX by email.

e-mail: diexantennas@gmail.com

#### 1.3. Specifications

MODEL	K6
BAND	6M
GAIN	2,4 DBI
2:1 SWR BANDWIDTH	+500khz
MAX. INPUT PWR	300 W PEP
>ELEMENT	290 cm
WIND-LOAD AREA	0,02 m <sup>2</sup>
WEIGHT	1 Kg

#### 1.4. SAFETY FIRST!

Get acquaint with and observe strictly the requirements and instructions of your local legislation. Direct grounding of the antenna and the tower structure is essential as protection from lightning strikes and static electricity. The entire earth-connection system must meet your local standard requirements.

Do not install the antenna close to power lines and cables, as their proximity, arc-over or contact with them during assembly, installation, and exploitation is hazardous and can be lethal.

Do not work alone! You must have at least one assistant always when you work on the antenna. If you have any doubt concerning the safety, please consult your dealer or engage a professional company.

#### 1.5. Location

The antenna should be mounted on a support tower structure at a height between 10 and 15 meters (33-50ft) above the ground level. It must be located in the clear, away from trees, power installations, buildings, other antennas etc. Such objects can be dangerous and they can reduce the antenna efficiency or cause interference. If metal guy wires are used for the tower, they should be broken electrically with strain insulators, at 2 meters (6 ft) apart or less.

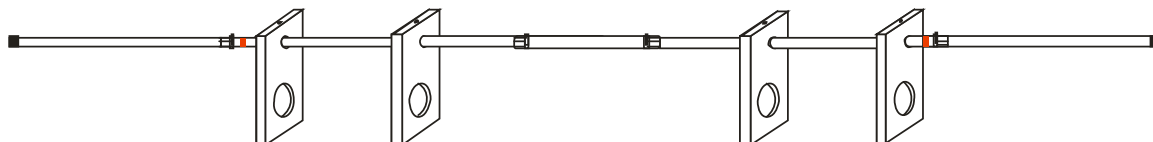
### 1.6. Your first steps

The first step to installation is to fully read this manual. Then, carefully inspect the shipping cartons for any physical damage. DIEX ships antennas in highly protected containers, but it cannot assure that mistreatment by shippers will not occur. If there is any such damage, notify your DIEX dealer immediately. Failure to do so may invalidate your warranty.

Select a large and clear area to assemble the antenna.

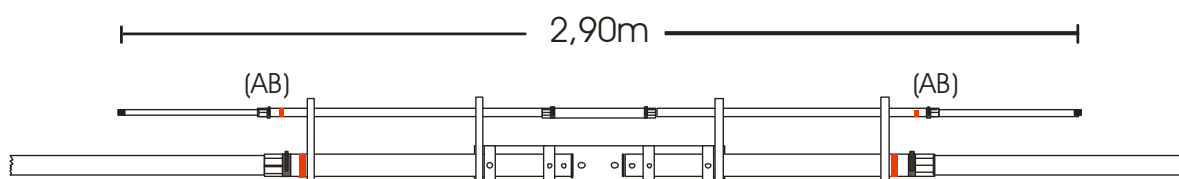
The DIEX production uses metric (European) system of measurement units.

## 2. ASSEMBLING



2.1 - Above is the appearance of the assembled kit.

2.2 - Now install on existing element, DXA, DXS, DXW or D as below



2.3 - Follow the starting lengths in the drawing.

2.4 - Perform the installation of antenna free of obstacles, other antennas, walls, etc.

### 3 - Adjusting SWR

3.1 - Adjust the length on the clamps (AB) for each band as per the drawing, one at a time.

3.2 - With the antenna mounted and installed in the correct place, check SWR.

3.3 - You must choose which frequency will be the center, knowing the frequency that will be the center and comparing with the frequency the antenna is tuned to, it is possible to adjust the size of the antenna to the chosen frequency

If the Antenna Frequency above the chosen; increase the antenna to lower the frequency. If the below the chosen frequency, decrease the antenna to go up the frequency.

The contents of this manual are subject to change without notice.

## WARRANTY

Diex antenna products are guaranteed for One year against manufacturing defects, Diex may repair or replace parts or all of the product at its own discretion within the warranty period. Damage caused by lightning, falling, forces of nature, misuse, installation by an unqualified person, i.e., improper, negligent or incorrect assembly is not covered by the warranty.

Products that undergo any adaptation or alteration or repairs by unauthorized service automatically void the warranty.

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