

PRO.SIS.TEL.

Produzione Sistemi Telecomunicazioni

PST-48FP - PST-816FP - Parallel wire dipoles

Assembly instructions valid for both models:

Carefully unroll and unfold the two arms of the dipole avoiding creasing the wires.

The dipole is designed to be installed in inverted V, if installed open it will have an impedance of 75ohm with a ROS of about 2: 1.

For an optimal minimum yield, bring the apex of the dipole to at least 9-10m high, higher height will improve yield and raise resonance, lower height will decrease yield and resonance

Make sure that the opening angle if mounted to inv. V is between 90 and 110 degrees to obtain an impedance close to 50ohm. Experimentally seek the best opening.

If necessary during the calibration phase, shorten the terminals of each band equally, wrapping the excess tightly on itself.

By shortening you go up in frequency, by lengthening you go down in frequency.

Resonance can also be influenced by environmental conditions, especially in the presence of nearby metal obstacles. Some antennas do not cover the whole band, in case tune it in the most used band slice.

Specifications:

Gain = 0 dBd

Impedance Inv V = approximately 50 ohms

Max power pep: 1.5KW or 5KW pep ssb, 1KW CW-RTTY (depends on the model ordered)

SWR 40m = 1: 1 center band (useful band about 120Khz) PST-48FP

SWR 80m = 1: 1 center band (useful band about 120Khz) PST-48FP - PST-816FP

SWR 160m = 1: 1 center band (useful band about 50Khz) PST-816FP

Band and arm length:

PST-48FP = 40 and 80m, about 11-22m for each band

PST-816FP = 80 and 160m, about 22-42m for each band

Caution:

Do not install the antenna near equipment or power lines it could accidentally come into contact with.

Warning:

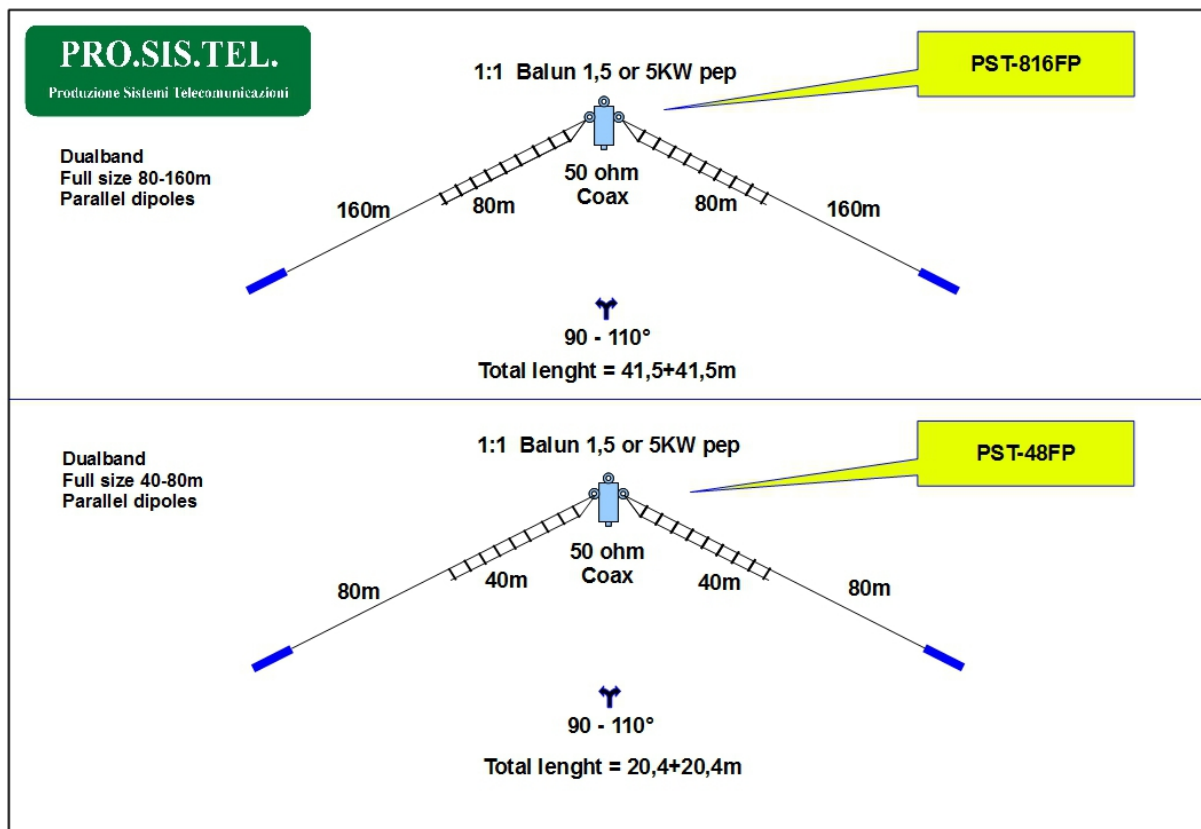
Do not install the antenna near power lines or equipment that could result in electrical contacts. You could be seriously injured or killed.

The antenna must be installed in accordance with / local / national laws.

If necessary get a professional installer.

Prosistel can not be sued for damages for non-compliance of equipment rules.

For improvements and technical - production, specifications and design are subject to change, without affecting the final purpose of the product.



Dear buyer,

thank you for purchasing a Pro.Sis.Tel antenna ..

Making it we have used the best materials available on the market, worked and finished with the best care possible allowed by the state of art.

Use it within the rating for which it was built and will serve you faithfully for many years.

In case of doubts or concerns, our technical department is always ready to provide all the necessary help.

If you are satisfied tell the others, otherwise tell to us.

Your opinion and your suggestions will help us to improve even more our products.

**Best regards
Annamaria Fiume IK7MWR**

Made in Italy

WARNING! Defend the environment

Disposing components and materials

The antenna consists mainly of aluminum, in the event of disposal, conferred the scrap to a specialized disposal center, in compliance with the requirements of local law.

