

REP Design LLC

Southington, CT 06489

1-(860) 426.1894

n7emw@cox.net

www.repDesign.us

INSTALLATION INSTRUCTIONS:

“VersaBase” for CLAMP-150[®] “Clamp to Anything” Portable Antenna Mount

These instructions describe how to install the “VersaBase” to any CLAMP-150[®] portable "clamp-on" antenna mount. The VersaBase enables you to use a Buddipole[™] dipole antenna – mini, standard and even one with extended radials. It can be configured as a horizontal, sloped or “L” dipole.

The combination of the VersaBase and CLAMP150 allows you to mount your antenna without having to use a tripod or guy wires.

In addition to the VersaBase, we now provide six (6) interchangeable bases for the CLAMP150 that can be used with almost any small to medium HF mobile antenna, essentially any VHF/UHF mobile antenna, and even WiFi, SHF and cell phone antennas. All will fit any CLAMP150! If you have a Buddistick[™] vertical, or want to use one half of a Buddipole dipole in a vertical configuration, our 3/8x24 stud base with SO239 connector can be used. The CLAMP150 provides two counterpoise ground points as well as optional counterpoise “ring” brackets. Also available is a second antenna bracket with NMO mount and four groundplane radials for 135-512 MHz – use your Buddipole for HF and a second V/UHF antenna on the same CLAMP150 – not guy wires needed! The following shows our two bases that fit Buddipole antennas:



The most current version of these instructions is on our web site “Downloads” page, and may be more recent than hard copy instructions provided with our products. You can check the version of the instructions by the date code at the bottom of each page. Color versions of the black and white photos provided in hard copy instructions are available with the download version of these instructions on our web site.

Safety First!

*Use caution if you are installing your antenna on a balcony or location where the antenna could fall on someone or cause damage if it were to fall. You might want to consider attaching a "safety line" from your antenna/mount to the mounting surface in the event that it was to come loose. As with any antenna installation, be careful around thunderstorms and lightening, and you may want to remove your antenna or disconnect the coax BEFORE a storm appears - remember that if you can hear thunder you can be struck by lightening! It is up to the user to ensure that everything is installed securely and safely. These instructions are meant to provide general guidelines but can not provide all of the details on how to safely install your mount and antenna, as each installation is unique. If you feel that you cannot safely install your antenna on the CLAMP, or it does not meet your needs, you may return it for a refund within two weeks (see Warranty for details). **SAFETY FIRST!***

Tools Needed

No special tools are required. For smaller antennas the wing nuts can be tightened by hand. You can use pliers to further tighten the wing nuts; this is recommended for larger antennas. Be sure the pliers does not damage the bolt threads.

What You Need

Your Buddipole™ antenna with their Versatee – the Versatee is NOT included with our VersaBase. Your Buddipole dipole can be configured as a horizontal, sloped or L dipole on the CLAMP150 our VersaBase.

Installation Instructions

Refer to the **figures below** for assembly and installation examples. Also refer to the **CLAMP150 instructions**.

First assemble your CLAMP150 – refer to the instructions that come with the CLAMP150 or download these for free on our DOWNLOADS web page.

Second, mount the “VersaBase” mast using the provided 3/8x16 hardware, into the largest (3/4” diameter) hole in the outermost CLAMP-150 “L” bracket.. The wing nut should be tightened securely. To rotate your dipole, you can slightly loosen the wing nut.

Now you are ready to mount the CLAMP-150 to your mounting surface. Please refer to the installation instructions that come with the CLAMP150.

Last, screw the Buddipole Versatee (NOT included with our VersaBase) onto the top of the VersaBase mast. It should only be hand tightened. Screw in both dipole masts. Your Buddipole can be configured as a horizontal, sloped or L dipole.

You are now ready to connect the coax and operate. HAPPY DX!

For detailed information on the versatile Buddipole antennas, check out their web site: www.buddipole.com. There is also a great book with practical installation information about Buddipole antennas that can be purchased on their web site. Also check out the author’s, B. Scott Andersen (NE1RD), web site: http://homepage.mac.com/bsandersen/ars_ne1rd/index.html. Buddipole also has a YouTube video which is very useful in explaining how to tune their antennas: http://www.youtube.com/watch?v=Ujp_N0ljFAo&feature=youtube_gdata_player

Spare parts, accessories, downloads and related products.

Let us know if you need spare parts or are looking for something that we do not yet provide – your idea could become a new product! As a specialty company, we are looking for unique ideas to serve the amateur and two-way radio community.

Check our web site periodically as we continue to add new products or prototype ideas.

You can find the current versions of product instruction manuals (with COLOR PHOTOS) on our “Downloads” page: <http://www.repdesign.us/Download.html>

Warranty Summary

All products include a two (2) week "return for any reason" and six (6) month manufacturing defects limited warranty. If you should need to return your product please contact us IN ADVANCE to obtain a return authorization number. Please refer to the complete warranty terms that are enclosed with your order; these are also included on our web site.

Product Illustrations & Installation Examples

Figure 1. What you get, parts description and dimensions. Please note that the Buddipole Versatee (black part) is NOT included as this comes with your Buddipole antenna and can be ordered from their web site.

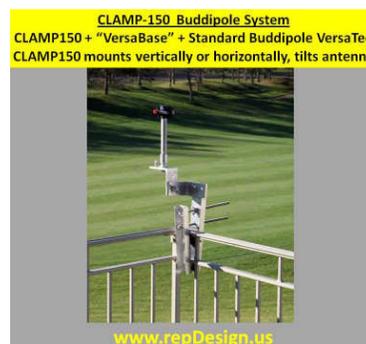


Figure 2. The VersaBase AND CLAMP150 will fit inside the Mini Buddipole case. Absolutely a MUST HAVE go bag for HF operation. This is now Dick's main go bag! Now if the IC700 or FT817 would only fit.....

N7EMW's "Go Bag" Complete Antenna System
***EVERYTHING* fits into standard Mini Buddipole bag**

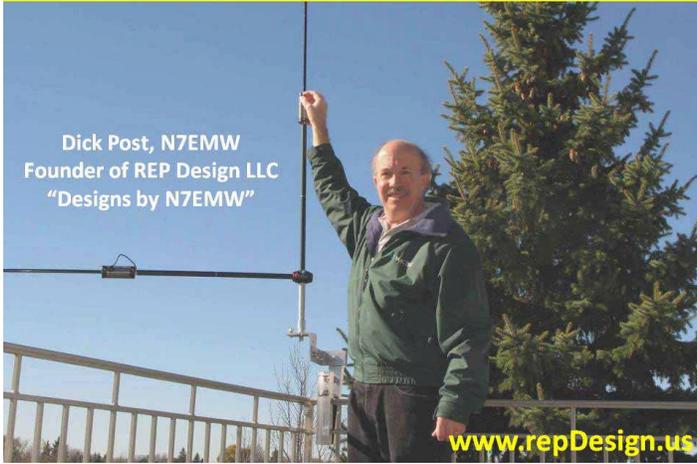
- Complete Mini Buddipole system
- Clamp on mount (CLAMP-150)
- 20 feet coax
- Nothing else needed
- Total weight 7.6 lb. / 3.4 kg
- Horizontal, slanted & vertical mounting surfaces up to 9 in. thick



www.repDesign.us

Figure 3. Installation examples: Buddipole dipole on a CLAMP150 with VersaBase. Great portable HF antenna system, and great for antenna restricted neighborhoods – can you see the Buddipole in the second photo? With our AMB-Arm2 you can us a second (V/UHF) antenna with your Buddipole for “full spectrum” coverage on one CLAMP150 mount! With the AMB-Arm2, you can configure your Buddipole as a horizontal, sloped or L dipole.

REP Design LLC Album
CLAMP-150 mount with new "VersaBase" for Buddipole Antennas



Dick Post, N7EMW
 Founder of REP Design LLC
 "Designs by N7EMW"

www.repDesign.us

CLAMP-150 Buddipole System
***VERY STEALTH* for antenna restricted neighborhoods**



www.repDesign.us

➔ more photos on back

CLAMP-150 Buddipole System
Horizontal dipole configuration
CLAMP150 mounts vertically or horizontally & tilts



www.repDesign.us

CLAMP-150 Buddipole System for 2nd Antenna
CLAMP150 + Buddipole Antenna (vert. & horizontal)
2nd Antenna Bracket with groundplane (135-512 MHz)



www.repDesign.us

CLAMP-150
Other Options for Buddipole/Buddistick Antennas



www.repDesign.us