

SCENEMASTER

HO SCALE MOUNTED COMMUNICATION TOWER ARRAY 949-4195

Thanks for purchasing this Scenemaster kit. Please take a moment to read these instructions and study the drawings before starting - if you're not sure how parts go together, test-fit them before gluing! PLEASE NOTE: This kit is made of reinforced ABS plastic; use compatible glue to assemble your model. Most model paints can be used if desired. Parts are included to build two rooftop mast-mounted arrays, four rooftop framed arrays and 16 wall-mounted arrays with tall or short antennas.

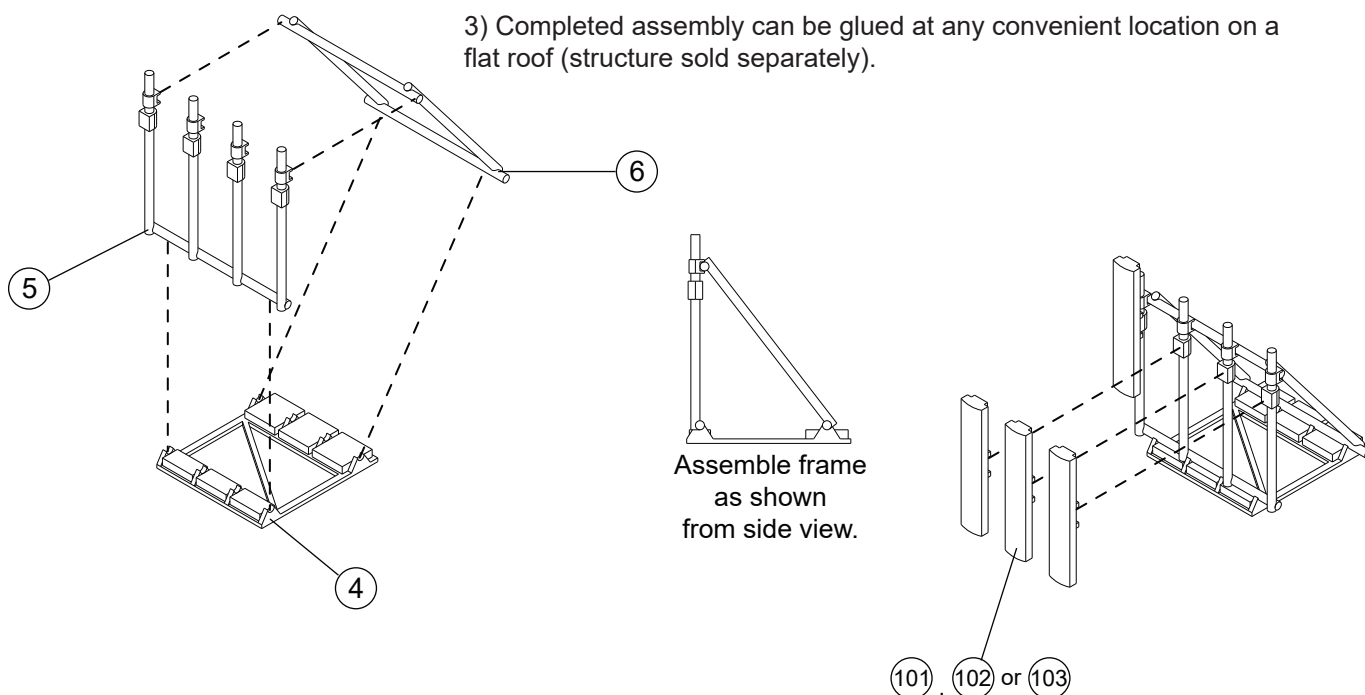
While the telephone quickly moved from novelty to necessity, the arrival of cell phones in the late 20th century completely changed how people use them. As a form of two-way radio communication, the first practical application came in 1969 with construction of a trackside support network and installation of specialized pay phones aboard Penn Central's Metroliner trains. While the equipment has evolved since, the basic principals are the same as these low-power systems conserve bandwidth and re-use frequencies across a relatively small area. This requires a local antenna to receive and send signals, commonly known as a cell. Additional cells are created forming a network to expand service coverage over wider areas and allow for smooth transition as mobile users are automatically handed off to new cells. Arrays, with multiple directional antennas operating on various frequencies, are placed near the edge of cells. Typically, these are supported on tall steel towers, but as demand continues to increase, finding suitable locations in cities and suburbs is becoming increasingly difficult. However, rooftops and upper stories of many commercial, industrial and residential buildings offer an increasingly popular option for service providers. Rooftop installations may be mounted on short towers or frames, or mounted on frames and hung on the edge of a wall. Being smaller and less noticeable, these types of installations tend to blend in better with the surrounding area. Unlike free-standing towers, roof- or wall-mount arrays don't require expensive fencing or other security measures, as access to the roof is typically restricted. A must-have for contemporary layouts, your new model is designed for easy construction and installation on new or existing structures of all kinds. For additional figures, vehicles, scenery materials and more, see your participating dealer, check out the current Model Railroad Reference Book or visit us online at walthers.com.

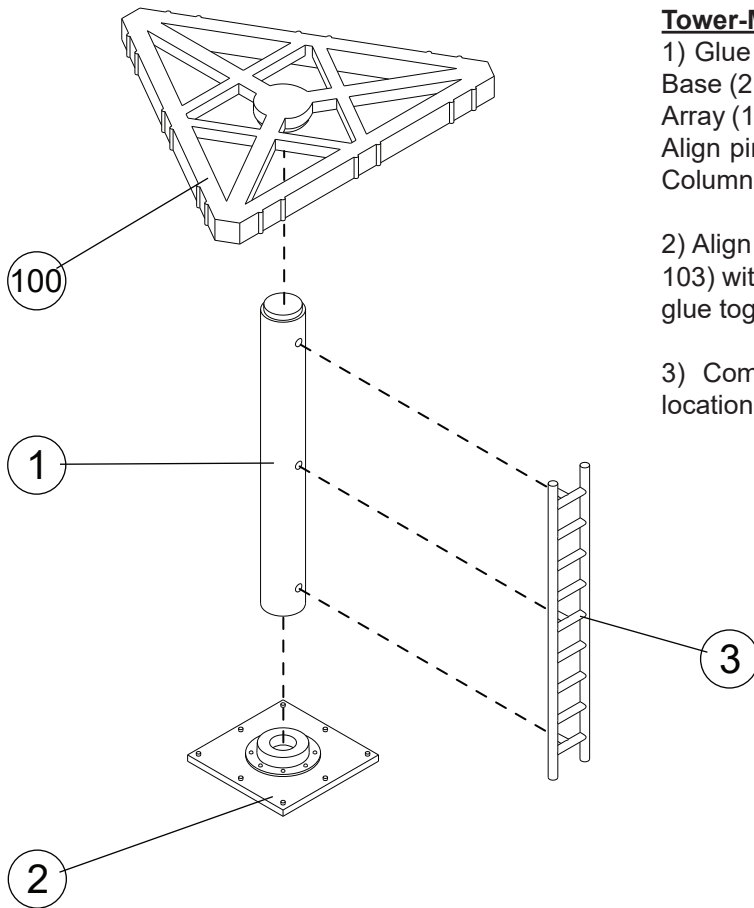
Frame-Mounted Roof Array

1) Note the correct alignment of parts as shown in both sketches. Glue lower round cross brace on Array (5) to inset areas on top front of Base (4). Align round upper and lower ends of Brace (6) with inset area on back of Array and base, and glue where parts meet.

2) Align square insert areas on back of Antennas (101, 102 or 103) with square mounting points on Array and glue together.

3) Completed assembly can be glued at any convenient location on a flat roof (structure sold separately).





Tower-Mounted Roof Array

1) Glue lower end of Support Column (1) to opening in Tower Base (2) as shown. Align mounting point on underside of Tower Array (100) with top of Support Column and glue parts together. Align pins on inside of Ladder (3) with openings in Support Column and carefully glue where parts meet.

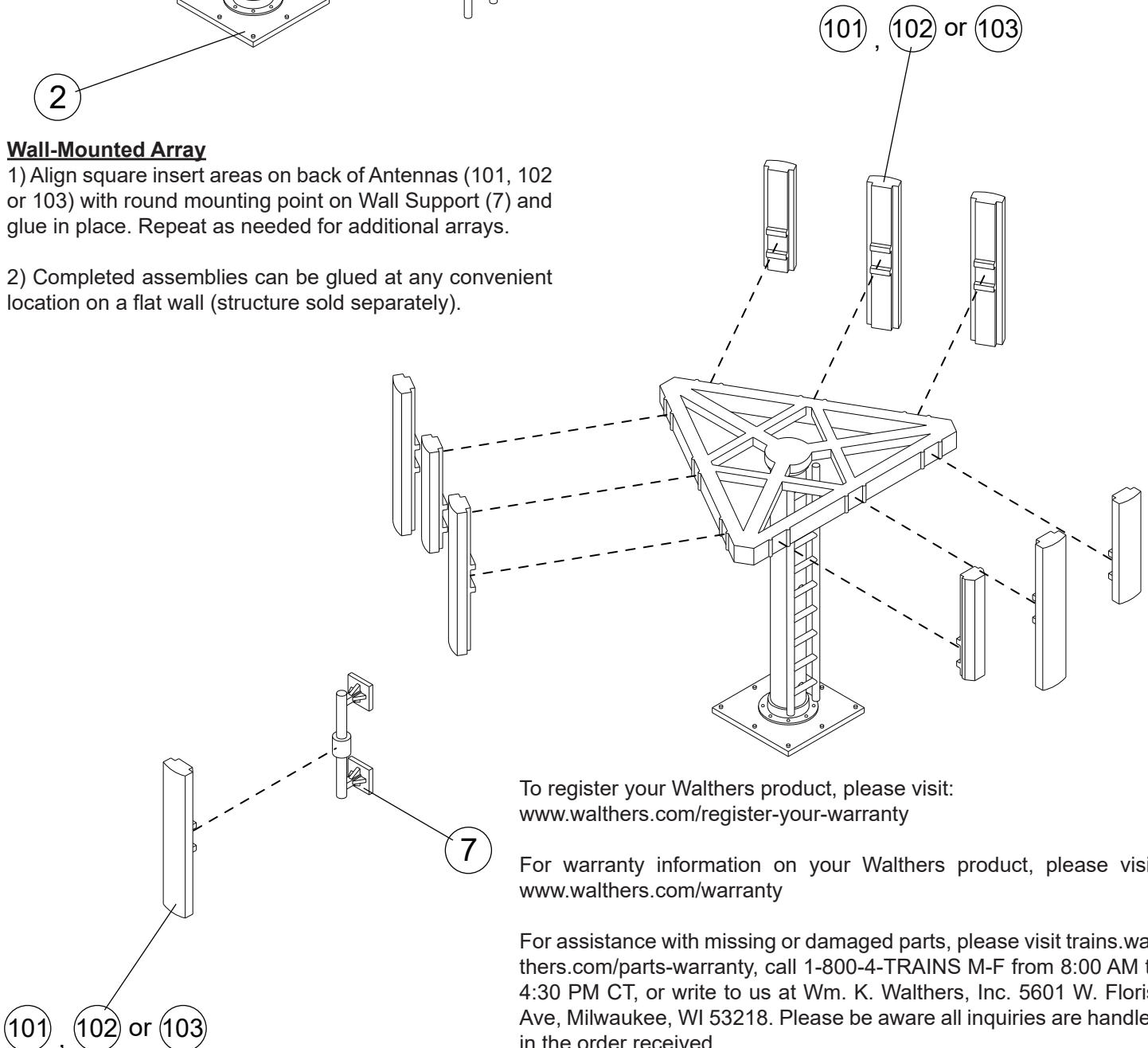
2) Align square insert areas on back of Antennas (101, 102 or 103) with square mounting points on edges of Tower Array and glue together.

3) Completed assembly can be glued at any convenient location on a flat roof (structure sold separately).

Wall-Mounted Array

1) Align square insert areas on back of Antennas (101, 102 or 103) with round mounting point on Wall Support (7) and glue in place. Repeat as needed for additional arrays.

2) Completed assemblies can be glued at any convenient location on a flat wall (structure sold separately).



To register your Walthers product, please visit:
www.walthers.com/register-your-warranty

For warranty information on your Walthers product, please visit:
www.walthers.com/warranty

For assistance with missing or damaged parts, please visit trains.walthers.com/parts-warranty, call 1-800-4-TRAINS M-F from 8:00 AM to 4:30 PM CT, or write to us at Wm. K. Walthers, Inc. 5601 W. Florist Ave, Milwaukee, WI 53218. Please be aware all inquiries are handled in the order received.