



## User Guide

### South Africa

Unit 4, N1 Industrial Park  
Landmarks Ave  
Samrand, 0157  
South Africa  
Tel: +27 12 657 0050  
info@poynting.tech

### Europe

Kronstadler Straße 4,  
81677 München  
Germany  
Tel: +49 89 2080 265 38  
Mob.: +49 176 529 733 50  
sales-europe@poynting.tech



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# 1. Packing Check List

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Item	Description	Quantity
1.	A-SPLT-0016 Only	1

[www.ime.de](http://www.ime.de)

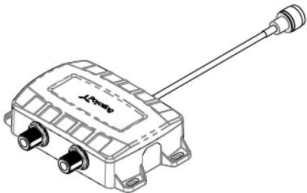
# Appearance of Components

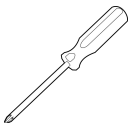
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## Splitter Unit



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**Tools which may be required:****6mm Masonry drill bit****Impact drilling machine****Screw driver-Cross slot/Philips****Hammer**

## 2. Introduction

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The SPLT-16 can be used as a splitter or a combiner.



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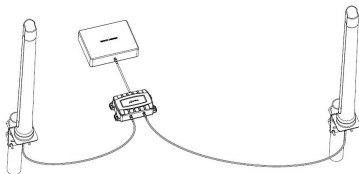
When SPLT-16 is used as a splitter, it splits the power from a single antenna to two independent devices ensuring low loss while providing good phase and amplitude balance. This is ideal when there are obstacles obstructing the signal or poor signal coverage to other areas.

When SPLT-16 is used as a combiner, it combines two separate antennas to a single device, allowing for antenna diversity and improved performance.

### Splitter Configuration 1

SPLT-16 connected to two antennas and used as a combiner

Exploded View

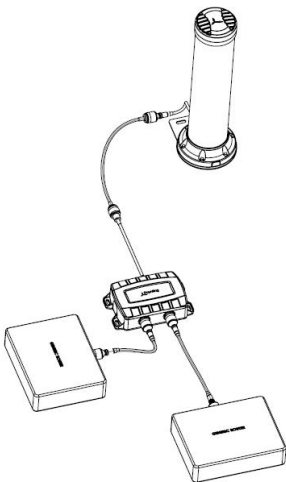


## Splitter Configuration 2

SPLT-16 connected to two devices and used as a splitter



Exploded View





## 2. Installation Instructions

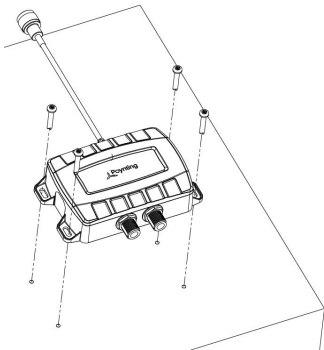
- Open the splitter package and confirm that all listed components are available.



Consider the splitter mounting precautions below before installation.

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- Carefully mount the splitter on a flat solid surface using suitable fasteners (not included).
- The splitter can be mounted either vertically or horizontally.



### 3. Splitter Mounting Precautions

- There should be adequate space around the splitter for routing of cables. See the splitter dimensions image for reference.

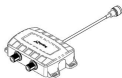
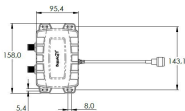
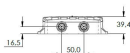
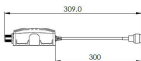


In order to avoid communication interference, ensure that the antenna (s) connected to the splitter are placed at least 0.5m away from other antennas and metal objects.

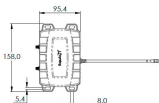
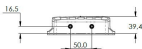
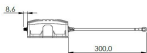
- Avoid installing the splitter near a chimney, as the smoke and soot emitted by the chimney can obstruct the signal level achieved by the antenna (s).
- Install the splitter away from heat sources and flammable gases.

#### Splitter Dimensions

##### A-SPLT-V1-01



##### A-SPLT-V1-02



## 4. Cable Routing

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- Survey the planned cable route and look for any blocked passages. Consider alternate routes to find the best available path. Always keep the cables as short as possible to make sure that minimum cable losses are achieved.
- **Note:** Take advantage of any existing cable channels. e.g wiring conduits to route the cables.
- Avoid running cables through components or sharp apertures that may cause excessive chafing. Doing so may erode the jacket and break signal continuity. Also, avoid kinking, pinching, or twisting a cable during a run.
- Use cable ties to secure the antenna /splitter cables.

**When handling the antenna and splitter cables, it is essential you follow these basic rules:**

- Never pull on the cable connectors; pull only on the cable.
- Tighten the connectors and ensure that the cables don't rattle loose.

## 5. Safety

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- If you are installing the splitter for the first time or unsure about how to install your splitter,  obtain the help of a professional installer [www.ime.de](http://www.ime.de)
- Carefully survey the installation site before installation to locate secure handholds, dangerous conditions (such as power lines and weak roofs) and the safest and most convenient placement for ladders if necessary.
- When installing your splitter, remember:
  1. Do not install near power lines as they can electrocute you.
  2. Do not install on a wet or windy day or when there is lightning or thunder in the area.
  3. Wear shoes with rubber soles and heels, protective clothing (long sleeve shirt or jacket) and rubber gloves.
  4. Avoid installation while under the influence of drugs, alcohol or medication.
  5. Make sure that any loose-fitting jewellery or clothing is secured and tie back long hair as they can get caught in moving parts during installation.
  6. If the splitter assembly starts to fall, get away from it and let it fall to avoid harming yourself.

- When drilling, remember;
  1. Use safety goggles when drilling the holes.
  2. Avoid using bits that are dull, bent or damaged
  3. Be aware of where your fingers are in relation to the drill bit when using the drilling machine.
  4. To stop the drilling machine, let the drill chuck come to a complete stop on its own. Do not grasp the chuck in an attempt to stop the drill bit.
  5. Avoid awkward hand positions where a sudden slip could cause a hand to move into the drill bit or cutting tool.



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### CAUTION:

Antennas connected to the splitter must be installed to provide a separation distance of at least 20cm from all persons so as to comply with SAR (Specific Absorption Rate) RF Exposure requirements.



European Waste Electronic Equipment Directive 2002/96/EC



Please ensure that old waste electricals and electronics are recycled.



Directive 2011/65/EU (RoHS 2)

This product is fully compliant with the RoHS 2 directive.