



## **DISTRIBUTION BOX 16 TO 32 PORTS STD.**

AR-DB-16/32F-xxF



## 1. Overview

This product integrates fusion splicing, light splitting, and wiring. It is suitable for terminal access on the user side and connected with optical communication equipment. Through adapters, optical jumpers are used to lead out optical signals to achieve optical distribution. It is also suitable for the protective connection of the optical cable and pigtail. In addition, it can also be spliced with home cable to realize the straight-through connection of the optical cable.

## 2. Technical Index

Model No.	AR-DB-16/32F-xxF
Color	white
Capacity	16 cores (Can be expanded to 40)
Optical Fiber Curvature Radius	≥40mm
Working Temperature	- 20°C ~ + 60°C
Additional Loss of Fiber Tray	≤0.0ldB
Anti-si de Pressure	≥2000N/10cm
Impact Resistance	≥20N.m
Protection Level	IP54
Material	PC+ABS, ABS
Cable Inlet / Outlet	4 / 32
Dimension(L*W*D,MM)	177*276* 106
Splitter	Steel Tube Type / Insert Box Type

## 3. Features

- 3.1 The product is made of high-quality and impact-resistant plastics, with anti-UV and waterproof function
- 3.2 With independent tuning tray for splicing or splitting, the circuit is clearer and not easy to cross
- 3.3 There are 4 optic cable entrances and 32 pigtail fiber exits, and the 2 cable entrances in the middle can be used for digging connection;
- 3.4 The cover has a suspended fixing device, which will not affect the construction due to falling during installation and maintenance;
- 3.5 The box body adopts anti-theft screws and is equipped with a special key;
- 3.6 Can be installed on a wall or pole.

## 4. Installation Procedure

- 1. Use key to unscrew the lock, loosen the latch on both side to open the box.



- 2. Optical cable stripping: Strip the docked optical cable and digging-optical cable as shown in the figure.

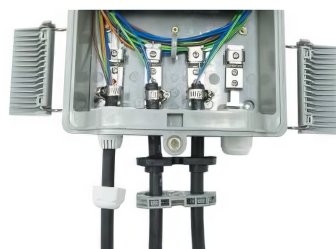


Digging optical cable

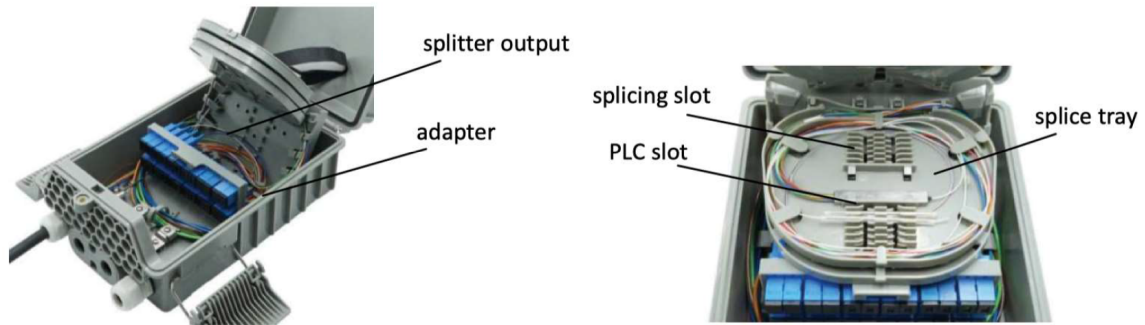


Docked-optical cable

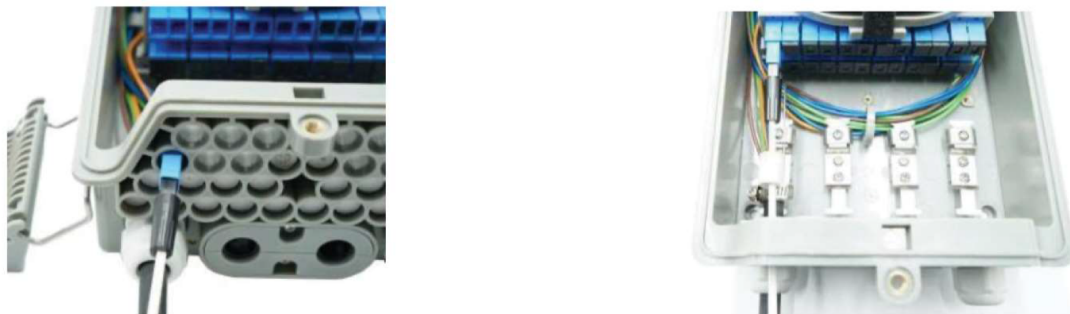
- 3. Optical cable fastening and sealing:
  - Unscrew the nut from right and left side, put into the docked cables, introduce the cable into the box, tighten the nut;
  - Use screw driver to remove the compression block and sealing rubber and put them on the digging -optical cables in tum, then introduce the cable from middle into the box, put the block and rubber back into the elliptical notch, lock the sealing with screws; c. and tighten them by screws;
  - The optical cable is locked inside the box by a hoop, and the reinforcing core is compressed by screws through the presser, the sealing and fixing of the optical cable are completed.



- 4b. AR-DB-16/32F-xxF fiber routing:
  - A. The incoming cable is coiled at the bottom of the box and then the bare fiber is introduced into the splice tray, and the end is led to the splicing slot;
  - B. the PLC splitter is installed in the special slot of the splice tray, insert the output end of the splitters into the adapters, and the input end is spliced with the bare fiber of the incoming cable at the splicing slot.



- 5. Outgoing Cable:
  - A. Remove the rubber sealing plug at the outlet, pass the outgoing pigtails through the round hole and insert its head to the adapters;
  - B. Wrapped the rubber plug around the optical cable and then plugged back to the round hole to complete the sealing.



- 6. Box installation:
  - A. Hanging on the wall: through the 4 gourd holes at the bottom of the box, the installation hole distance is: 80mmX153mm;
  - B. Holding pole: through two square grooves at the bottom of the box, it is connected to the pole by holding hoop.

