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Optibox 16

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ASSEMBLY INSTRUCTION

Scope of delivery:
- 1 x OTB16 Base incl. Inlay
- 1 x OTB16 Cover
- 6 x OTB Fixing Latches
- 1 x OTB Patchfield
- 1 x OTB16 Connection Grommet
- 8 x OTB U-Shapes Grommet

Required tools:
- Screw driver cross recess large
- Drilling machine
- Knife
- Saw
- Clipper
- Cable stripper
- Screws max. ø 6mm and suitable anchors for wall mounting
Installation
red: 3x Cable entry
yellow: 6x Cable Exit
green: Area for cable guiding and slots for fixing the cassettes
purple: Area for cable guiding, patching and overlength storage

Step 1 Preparing cable entries
(U-Shape grommets and cable glands)
At the bottom side of the box you can open 8 holes for cable entries or exit with U-Shape grommets or cable glands. If you are using cable glands you have to drill the correct hole. You can use M16 and M25 cable glands. If you are using M25 glands please take care that the outer dimension is max. 33.5mm.

If you are using U-Shapes, you have to make a cut according to the red line on the picture. After that you can break out easily.
### Step 2

**Wall mounting**

For wall mounting, put the Box on the wall, adapt the three fixing hole point to the wall. After that you can drill the holes and fix the box on the wall.

![Wall mounting diagram](image)

### Step 3

If you are using the connection grommet, you can mount two boxes side by side.

**Function of downholder:**

The mounted round downholder can be used to park dustcaps. The downholder can also be broken away and screwed into the right hand side of the box. This is recommended if you are using a side by side configuration.

![Downholder diagram](image)
Step 4  **Overlength frame (optional):**
Positions for screwing the overlength frame to the wall.
Positions for screwing (Screws are included) the OTB16 to the overlength frame.
Knock out hole for incoming and outgoing cables.
Fixing position for incoming or outgoing cables (can be used with 2 cable ties).

The loose tube overlength can be stored in the overlength frame as shown in the picture according to direction of the arrows.

One or more tubes can be guided to the OTB16 by using the ramp. Other tubes can be guided out of the frame as shown.

Step 5  **Incoming loose tubes in the OTB16 Inlay.**
Remove the knock out hole of the base to use it as shown.
Step 6  **Cable entry and fixing**

V.1 Incoming cables can be fixed with cable ties at point A and B. The strength member can be fixed with the strain relieve element.

V.2 Depending on the diameter of the cable or the gasblocker, the inner part of the cable fixing section can be cut out to have more space for big diameters.

The following cable length according to the reference should be used during installation:

- A: fixing strength member = 45mm
- B: incoming loose tube = 150mm
- C: complete length for Fibers into the cassettes = 2000mm
Step 7  
**Mounting of patchfield and cable fixing latch**

If you are using the patchfield you have to snap it into the inlay. Put the snappers into the cutout of the inlay and push it to the left according to the blue arrows. The Fixation can be used to move fully populated adapter rows (green arrow). This is helpful to get good access to every Adapter.

Assembly of the cable fixing latches:

Picture 1: The cable fixing latches can be screwed with the delivered PT Screws next to the cable exits at the bottom.

Picture 2: The latches can cover different quantities and diameters of cables. You can fix the latch according to the cables in different positions. In addition, you can fix the cables with cable ties directly to the inlay.
Step 8  
**Cassette versions:**
The OTB16 can be populated with different cassettes. You can use SCM [A], MCM [B] and SPC [C] (Splitter) Cassettes. Depends of the way the OTB16 should be populated, you can place the different types cassettes in a customized order. The 8 slot can be populated with 8 SCM or 8 MCM cassettes, or up to 4 SPC cassettes (or a mix of it).

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Step 9  
**Assembly of the cassettes:**
The cassettes can be snapped into the inlay in a 90° angle. The cassettes have to be positioned on the inlay in the right position, than they have to pressed into the inlay until they are snapped in. After that the cassettes can be moved to the front and to the back side, where they fit independently.
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**Step 10**  
**Fibermanagement ACS-MCM:**
1. Splicing area
2. Overlength area and chaos field

The ACS System can cover the following quantities:

- 48 pieces 250µm
- 24 pieces 600µm
- 12 pieces 900µm

Detailed information about the ACS System can be found in a separate document.

**Step 11**  
**ACS Cassette lock:**
The ACS cassette support can be used to secure single or several cassettes in an opened position. To use the ACS cassette support it has to be broken away, after that it can be used for every cassette position.

The ACS cassette support can be used as shown. It must be placed into the inlay and then pushed to the left or right side. For removing you need to make the same steps in the opposite direction.
Step 12  **Detail Fiber Guiding Tool:**
The fiber guiding tool can be used to place single fibers in the OTB16. It can be broken away from its position.

The broken out ACS cassette support and the fiber guiding tool can be placed in the shown position after using.

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Step 13  **Assembly of a lock:**
If you need to assemble the box with a lock, you have to start with breaking out the Logo holder (1.). After that the lock (2.) can be assembled. You can bring in the lock from the top of the cover (3.) and fix the lock by screwing (4.). The nut must be assembled from the bottom side. It has to be pushed over the locking handle, after that it can be screwed with a 22 screw wrench.
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