



Outdoor antenna for the Terrestrial Digital Broadcast & UHF TV signals.
Model UDS35

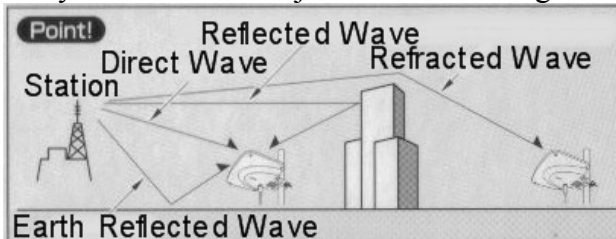
Assembly and Installation.

Features:

- Thanks to Nippon Antenna Engineering, which realized the Ultra Compact, Ultra Thin design.
 - Digi-Flex system realized ease of installation and adjustment.
- Digi-Flex system employed the universal joint (with 2 pivots system) for adjusting the antenna angles in multiple stages.

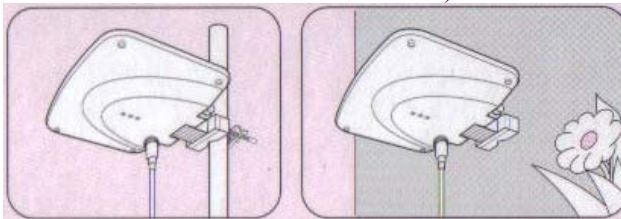
■ Advantages of Digi-Flex system

Adjacent buildings and topography reflect the terrestrial Digital Broadcasting signal. Unique Digi-Flex system is able to adjust the antenna angle for maximum reception.

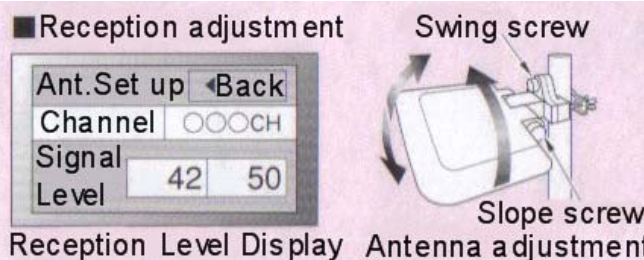


■ Examples of installation

- on the post
- on the wall (Apartment veranda installation needs optional installation kit)



■ Reception adjustment



- ① Loosen the wing nuts and aim the antenna to the transmitting station. (Set the antenna in vertical position if the signal is vertically polarized). *1

② Adjust the antenna angles: Left/Right (signal direction), Up/Down (slope), Tilt (swing) while monitoring [the antenna signal level display *2] on the TV screen. (For analog signal, monitor one of analog TV channel and adjust the antenna angles for the best reception.)

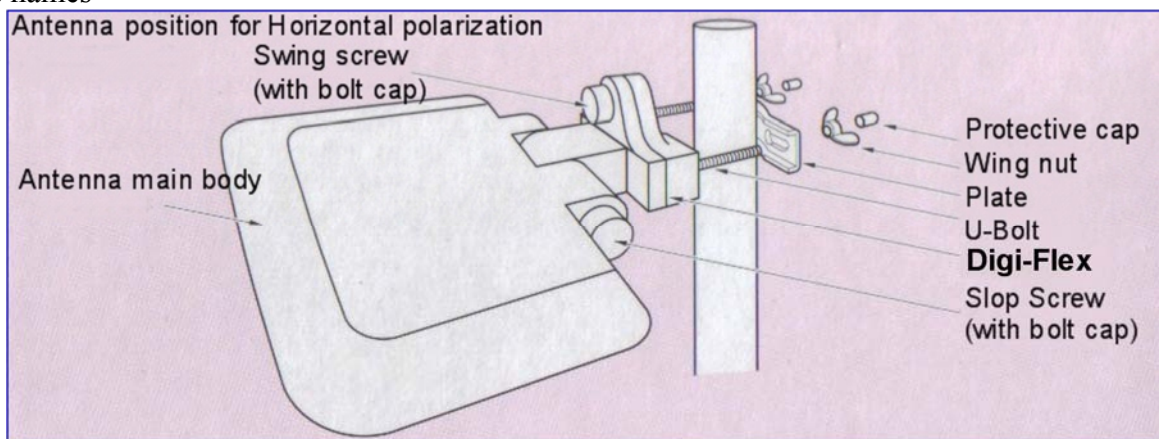
③ Tighten the screws after completing the adjustment for all the angles for the best reception

*1) Depending on the transmission station, Terrestrial Digital TV signal can be sent out Vertically or Horizontally polarized. The receiving antenna needs to match the polarization system with the transmitting station.

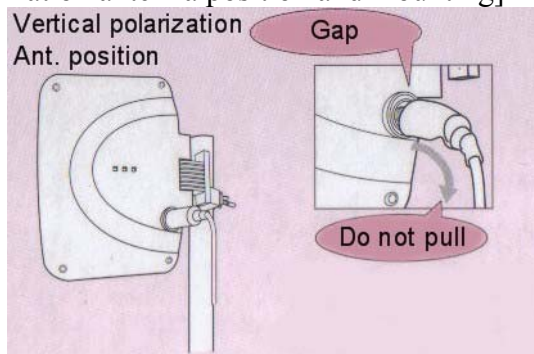
*2) Digital TV or Digital tuner has this feature to monitor the receiving signal strength. The higher the level is, the better the reception. This display name can be different by manufactures of Digital TV.

Caution: For wall mount method, the left and right antenna direction adjustment cannot be made.

■ Parts names

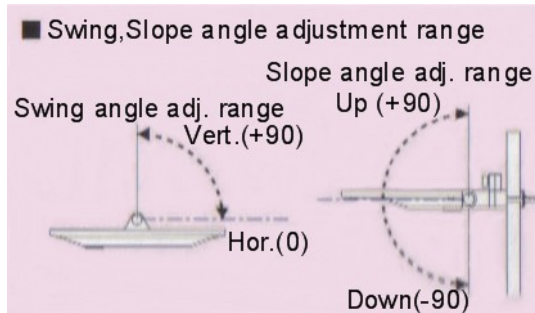


[Vertical polarization antenna position and mounting]



For vertical mounting, make sure not to pull the cable too tight. The neck of the connector gets too much stress and causes a slight gap between the panel and the connector. Water can seep into it and cause a poor reception.

■ Swing (Tilt), Slope (Up & Down) adjustment ranges



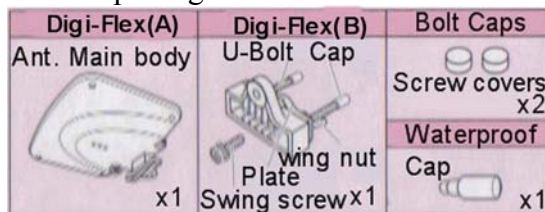
■ Specifications

Receivable channels	13~62 Ch
Gain	Ch 13~37 3.0~4.2dB (Standard)
	Ch38~62 2.8~3.3dB (Standard)
Impedance	75 Ohm F-Type
VSWR	Less than 2.5
Directivity	Less than 85 degrees
Front-Rear Ratio	More than 8 dB
Dimensions	235mm(W) x 44mm(H) x 204mm(D) Main body
Weight	0.4 Kg
Mast diameter	15~32mm

	Adjustable range
Swing adjustable angle	0~+90 degrees (15 degree step)*
Slope adjustable angle	Up 90 degrees ~ Down 90 degrees (15 degree step)

* Showing specification for + angle only.

■ Parts included in the package

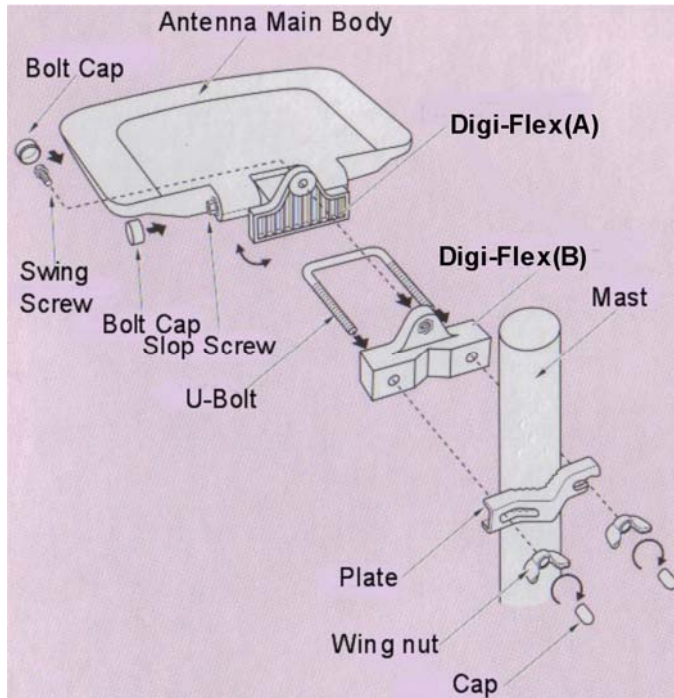


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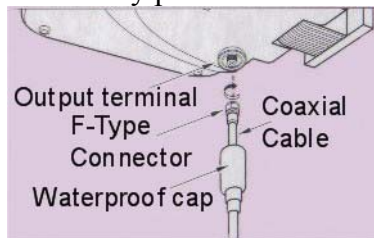
For improvement of the performance, and the cosmetic design, it may be changed without notice.

Assembly and Mounting (Prepare a Philip type screwdriver, Pliers etc.)



■ Digi-Flex assembly and mounting on a mast (Post)

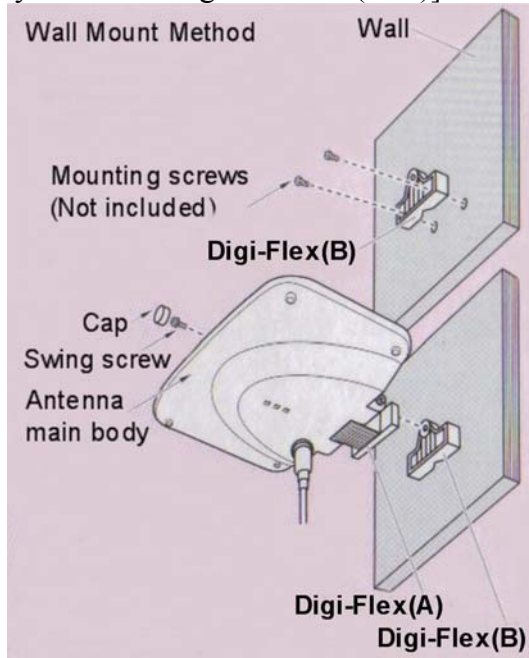
- ① Align the Digi-Flex (A) with Antenna main body as shown.
- ② Insert the U-bolt through Digi-Flex (B) and temporarily assemble the antenna main body and the attachment with the wing nuts as shown in the picture.
- ③ Attach the F-Type coaxial connector to the cable. (Please see below for how to attach the F-type connector to the cable)
- ④ Connect the F-Type connector to the output terminal firmly.
Tightening torque 1.0~2.0 Nm (or 10~20 kgf-cm) Note: Do not over tighten
- ⑤ Firmly insert the waterproof cap up into the antenna main body terminal and cover the connection completely so that water will not get in.
- ⑥ Attach the entire assembly to the mast tightly.
- ⑦ Loosen the swing screw and change the antenna main body vertically if the TV signal is vertically polarized. Please see the antenna adjustment on other page.



■ Digi-Flex assembly and mounting on a wall

- ① Remove U-bolt from the Digi-Flex (B) and attach it on the wall using appropriate screws. (Screws are not included)
- ② Attach the antenna main body with Digi-Flex (A) to the Digi-Flex (B) with the swing adjustment screw (X-Bolt)

- ③ Attach the F-Type cable and adjust the antenna angles. [Please see Digi-Flex assembly and mounting on a mast (Post)]



Cautions

- Attach the antenna firmly so that antenna will not fall off unexpectedly.
- Select the wall, which has enough strength to hold the antenna. Select the location where there is less traffic and place the antenna high enough so that no one hits their head. (More than 2m high)
- Avoid giving extra stress to the antenna and do not hang anything on the antenna

Care and Maintenance

- Use soft cloth to clean the antenna.
You can use water to clean, but do not use any chemicals such as Thinner, Benzene etc.
- Do not de-assemble the product. De-assembling affects the waterproofing ability and degrades the performance

For adding extra protection from water seeping in and salt damages.

Installing the antenna in an area where there is lots of rain or near the ocean, which has salt damage may require extra protection on the connection.

We recommend applying self adhesive tape (GK-20-HD) first, and apply vinyl tape (Electrical tape) before covering with the waterproof cap.



90 DAY LIMITED WARRANTY

Nippon Antenna Company warrants this product against any defects in materials or workmanship within 90 days from date of purchase.

No warranty claim will be honored unless at the time the claim is made; you present proof of purchase to an authorized Nippon Antenna Company dealer (If unknown, please contact Nippon Antenna Distributor Karmond Company in Canada) Nippon Antenna Company will either repair or replace the defective product at no charge to you. This warranty covers parts, but does not cover any costs incurred in removal, shipping or reinstallation of the product.

This limited warranty does not apply if the product is damaged, deteriorated, malfunctions or fails from: misuse, improper installation, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Nippon Antenna Company, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain. The 90-Day Warranty is provided on the condition that the equipment is properly delivered with all handling and freight charges prepaid to your Nippon Antenna dealer for return to our distributor for repair or replacement. Nippon Antenna Company dealers will arrange for the replacement or repair and return to you without charge if the product failed due to defective material or workmanship.

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