MPA38
PORTABLE ANTENNA

INSTALLATION AND OPEATING MANUAL

NETA
TECHNOLOGIES

GENERAL

Portable Antenna is designed to be used for receiving and watching satellite broadcasting in any outdoor environments. Once you have made all the connections and start the system, it can automatically find the satellite and get the signal for satellite channels.

IMPORTANT SAFETY INSTRUCTIONS

Do not open the cover of the unit. No user-serviceable parts inside. To open the covers cancels the guarantee of the unit. Refer to authorized technical service.

This system is not suitable for using while in motion.

The Control Box should be used indoor. While determining the installation place of the Control Box, vibration and over heat should be avoided.

Do not use Control box without appropriate fuse using inappropriate fuse or bypassing the fuse may cause dangerous situations.

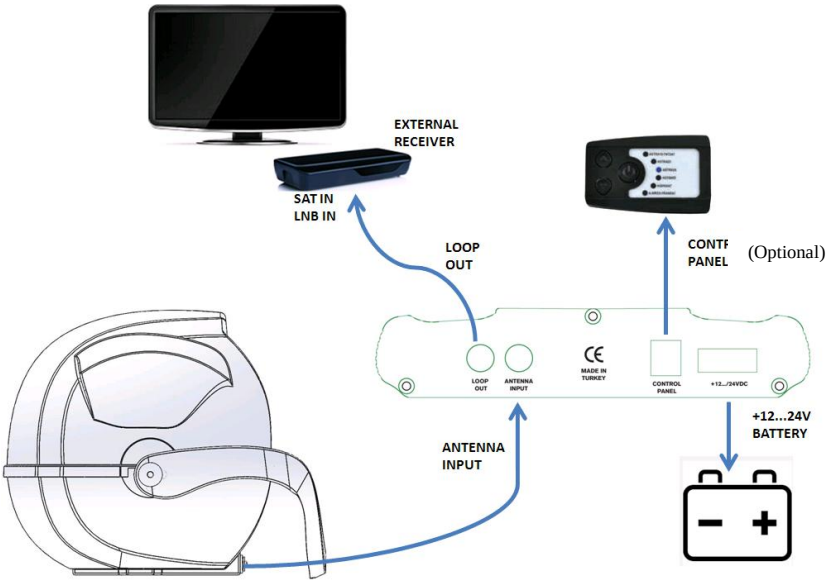
PACKING LIST

1) Antenna Unit
2) Control Box
3) Control Panel
4) 8 meters RG6-U-4 coax cable (Connection between Control box and Antenna unit)
5) 1.5 meters RG6-U-4 Loop out cable (Connection between Control box and external receiver)

IMPORTANT: DIRECT LINE-OF-SIGHT TO SATELLITE

Be sure that there are no physical obstacles between the antenna and line of sight to satellite which will prevent to get the signals. Antenna unit requires “direct line of sight” to satellites for signal reception. Any tall objects will block the signal to get by antenna.

CONNECTION SCHEME



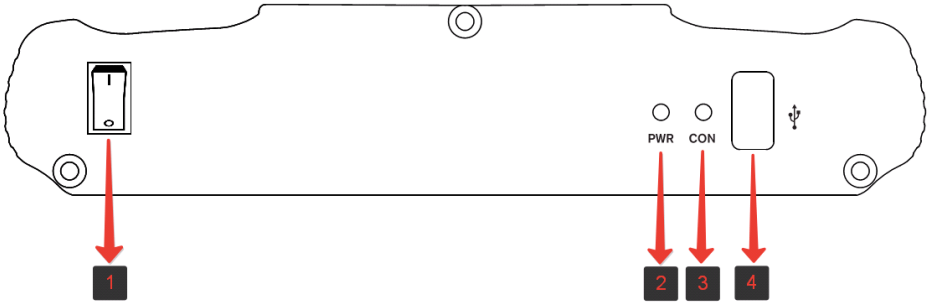
INSTALLATION

1. Connect RG-6 coaxial (long) cable between Antenna Unit RF-connector and “ANTENNA IN” of the Control box. Then connect second coaxial (short) cable between “LOOP-OUT” of Control box and your satellite receiver LNB/SAT-IN input. All the receiving signal will come from satellite to your receiver through the antenna system and Control box.

2. Connect 12-24 V DC supply voltage to the input of the Control box via thermal fuse given power cable has a container for fuse

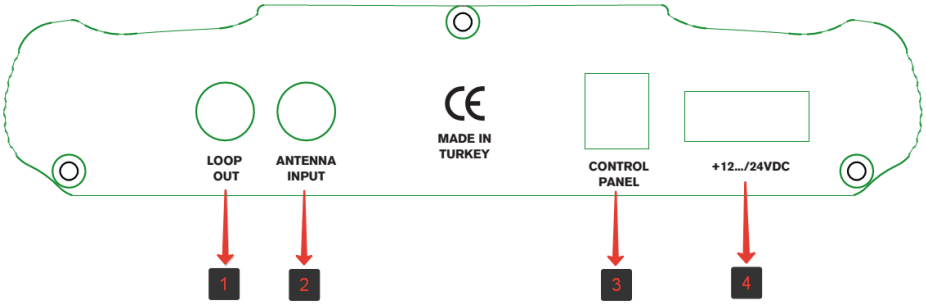
3. Keep the On/Off switch at “OFF” state while connecting all the cables.

FRONT PANEL



1	ON/OFF Switch	4	USB Port
2	Power LED Indicator		
3	USB LED Indicator		

REAR PANEL



1	Loop-out connection for external receiver	4	12/24V Power connection
2	Antenna-in connection for antenna unit		
3	Control panel connection		

OPERATING

Operating the system;

First make sure all the connections between antenna system, control box and receiver to the loop out port of control box are connected properly.

Using the control panel is optional if the external receiver supports DiSEqC then the control box can be controlled with external receiver without needing to use the control panel.

“Turn on” the On/Off switch that located to front of the Control box red LED light will turn on and the system will initialize, later it will switch itself to standby status and red LED will be turn off.

Turn on the system;

Press “⏻” (power) button on the control panel. The LED on the front panel will turn on and the system will start to operate.

Alternatively you can use your external receiver to turn the antenna on. When the external receiver is turned on, the control box automatically senses the LNB power of external receiver and turns itself on. Then antenna system will start to search the satellite.

Turn off the system;

To turn off the system press “⏻” button on the front panel of the control box.

Alternatively you can use your external receiver to turn off the antenna. When the receiver is turned off, the control box automatically senses LNB power-off and will turn off.

Operating the antenna;

When antenna is turned on, the system will start to search the selected satellite, searching may take a minute depending on the satellite signal conditions.

After the satellite is found, the antenna adjusts its direction to the most suitable position by making fine-tuning and then stops.

Selected satellite can changed simply by using control panel’s up and down buttons.

After the satellite is found, the signal will be available to the external receiver which is connected to the loop out port of control box and the channels on the receiver can be watched.

There should be no physical obstruction between the antenna and satellite. Tall buildings on the roadside, mountains, trees, crossovers, bridges and similar barriers may block to reach the satellite signals to the antenna partly or completely.

The signal receiving performance of the system may decrease during heavy rainfall or snowfall. It also happens if the antenna is covered by snow. In such case, remove gently the snow off the antenna.

Operating the antenna via DiSEqC

The antenna unit can be directly controlled by external receiver without requiring control panel through DiSEqC signals.
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When diseqc feature is enabled the Control box behaves like DiSEqC switch each DiSEqC port will be representing correspond number satellite as shown in the following table

Port A Satellite 1
Port B Satellite 2
Port C Satellite 3
Port D Satellite 4
Port E Satellite 5
Port F Satellite 6

Satellites and DiSEqC ports allocated respectively but user has to allocate correct DiSEqC port to correspond satellite while changing configurations of user's own satellite receiver.

The devices which support DiSEqC 1.0 can only address four satellites for more than four satellites DiSEqC 1.1 and above should be used.

If your receiver has separate options to enable and disable DiSEqC do not leave Diseqc 1.0 disabled when Diseqc 1.1 or above operating.

TECHNICAL SPECIFICATIONS

Antenna motion:	Two axis; azimuth and elevation
Satellite search:	Automatic at stationary position only
Connection:	Through single coax cable
Azimuth range:	0° ~ 380° limited
Elevation range:	12° ~ 70°
Operating voltage:	12 - 24V DC
Operating power consumption:	30W
Dimensions (in closed position):	48 x 46 x 45 (width x length x height in cm)
Weight:	5,9 kg
Storage temperature:	-30°C ~ +70°C
Operating temperature:	-15°C ~ +50°C
Operating relative humidity range:	0 ~ 98 %

The manufacturer reserves the right to change specifications without notice.

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