



Operating Instructions

Network Date Collector

Model No. NDC-01



Contents:

Introduction.....3

Warranty Policy.....3

Safety precautions.....3

Use Precautions.....4

Accessories Confirmation.....5

Unit parts and functions.....6

Basic operations.....8

Specifications.....9

Introduction:

Thank you for purchasing ARCT NDC-01 Transmitter. This operating instruction is for ARCT NDC-01 Transmitter.

Before connecting and operating pager, please read following instructions completely, and save this manual for future use.



Model: NDC-01

Contains FCC ID: 2ADKH-NDC1A00

Here by, we declare this device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warranty Policy:

The warranty period is 12 months of service time from date of invoice.

(For further warranty period, please contact your distributor or dealer)

Note:

The following damages are not covered by the warranty, including dropping, water contact or any other wrong use, other than the purpose designed for.

Safety precautions:

To prevent severe injury and loss of life/property, read this section carefully before using the unit to ensure proper and safe operation of your unit.

■ The section explains the graphic symbols used in this manual.



WARNING

Denotes a potential hazard that could result in serious injury or death.

Transmitter :NDC-01

WARNING

- **Do not use this equipment close to automatic control equipment like automatic door fire alarm and so on.**
Radio waves from this equipment may cause the trouble by a malfunction for medical equipment or automatic equipment.
- **Use only the specified AC adaptor with this product.**
Using unspecified AC adaptor may cause smoke or fire.
- **Do not touch AC adaptor and power cable during lighting storms.**
There is the risk of electric shock.
- **Do not pull or insert the power plug with wet hands.**
Failure using may cause electric shock.
- **Do not exceed the ratings of AC outlet and wirings, and connect the AC adaptor only within 110~240V AC.**
Exceeding the rating may result in overheating and fire.
- **Do no attempt to disassemble or modify this product.**
Failure using may cause fire or electric shock.

Use Precautions:

Read the following instructions to use this product correctly.

Staff paging transmitter

- Do not open or modify the main unit case.

Operation environment and service place

- Do not leave this product in a place exposed to high temperature or excessive dust.
- Do not put this product where static is likely to be generated or where magnetism generating devices such as TV set and radio are nearby.
- Do not leave this product under direct sunshine or at excessive high or low temperatures of long time.
- Protect this product from rain or water
- Mounting the antenna near any large metal objects will minimize the operation range.

How to maintain the device:

- Be sure to turn off the power before maintenance.
- Use a dry soft cloth to remove dirt from this product. When stubborn stains are observed, use a tightly twisted water soaked cloth to wipe the point softly and use dry another cloth to wipe the point again.
- Do not use thinner, benzene, wax, kerosene, polish, hot water, chemical cloth and the like.
- The dirty connector may cause communication failure.

Accessories Confirmation:

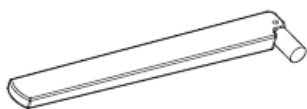
Before using, examine the following accessories.

If there missing any items, please contact your dealer.

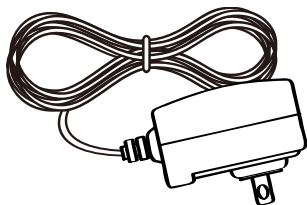
- Main unit:



- Antenna:



- 5V/3A power adaptor



Unit parts and functions:

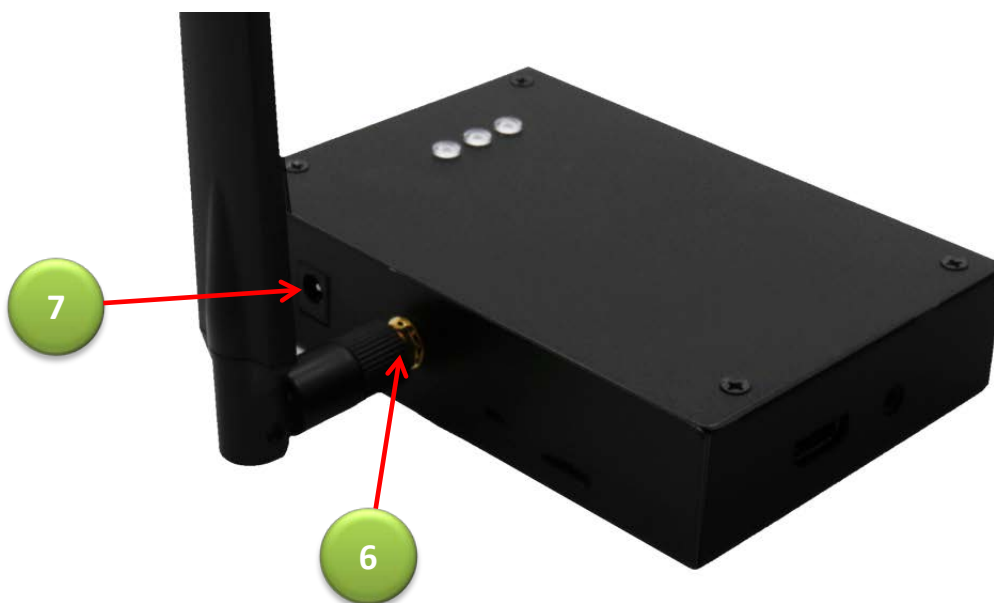
■ Main unit(front side)

The following illustration shows the layout of keys



No	Name	Details
1	POWER	POWER LED, indicate the transmitter has been turned on
2	TX/RX	Channel 1, Dual color LED, indicate the CH1 TX/RX state
3	Cloud-LINK	Reserve, for ARCT- Cloud version
4	USB JACK	4 USB Ports
5	Ethernet	10/100 Mbps Ethernet port

■ Main unit(back side)

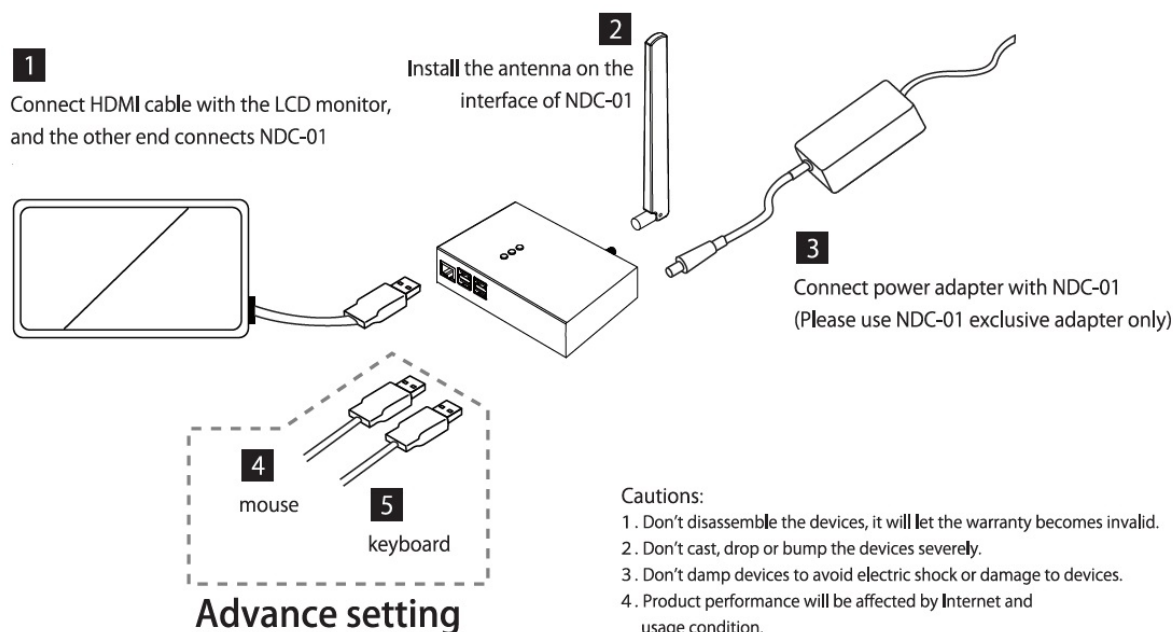


No	Name	Details
6	ANTENNA 2	CH2, SMA Antenna Jack
7	DC IN	5V/3A DC input

System Installations

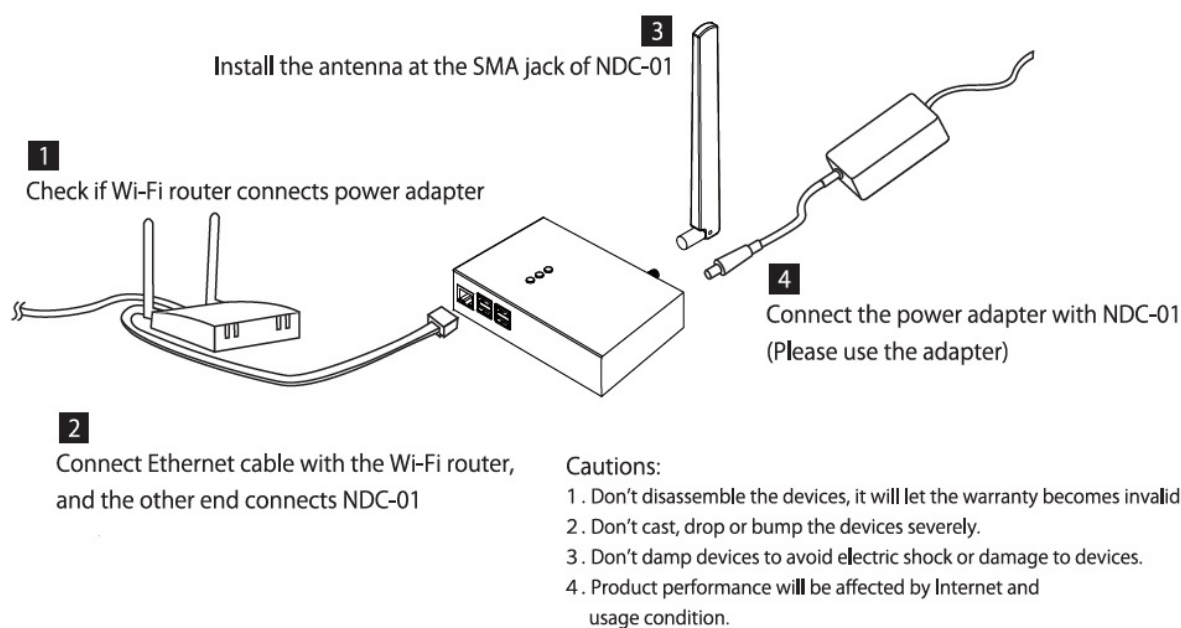
■ Hardware Installation – LCD monitor

To connect the gateway to the LCD monitor, please follow the steps in the picture below.



■ Hardware Installation – LAN mode with Android Tablet

To connect the NDC-01 to Android tablets, please follow the steps in the figure below.



Specifications

NDC-01 Transmitter

Item	Specifications
Frequency	433~434MHz
Baud rate:	1200 bps
Modulation type	FSK
Output power	10mWatt
Maximum Dev.	+/- 2.5K
Channel Spacing	12.5K
Harmonic Radiation	Less -25dBm
Frequency stability	2ppm at -10°C~+60°C
Output connector	SMA(F)
Current consumption	Standby: 200mA ; Transmit: 500mA
Power supply	5V/3A adapter
Operating temperature	-10°C~+60°C
Operating humidity	20% RH to 80% RH(no condensation)
Dimension	Approx. 138mm x90mm x 30 mm
Weight	Approx. 390 g
Certification	