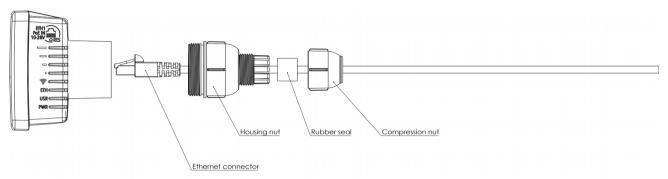
LDF series

The LDF (Lite dish feed) is an outdoor wireless system with a built in antenna, meant to be installed on satellite offset dish antennas. The device comes preinstalled with RouterOS and is ready to use.

Assembly and mounting

The device is compatible with standard offset dishes, commonly used for satellite television. The offset mount is universal at 40mm diameter, and the LDF can easily be placed inside it. To attach the ethernet cable to the LDF unit, follow these steps:

- 1. Assemble all components as shown in the illustration. If using pre-made cables, cut the rubber seal on one side, to put it onto the cable. Self crimped cables should be crimped after the seal is on the cable.
- 2. Connect ethernet cable to ethernet connector on LDF.
- 3. Attach Housing nut to LDF body by rotating clockwise.
- 4. Slide rubber seal into housing nut, then enclose the waterproof gland by turning compression nut clockwise.



Powering

The device accepts 10-28 V DC input from passive Power over Ethernet injectors. The device does not work with IEEE802.3af compliant 48 V power injectors. A PoE injector is included in the package.

Booting process

- Connect an ethernet cable to the ethernet port, connect the other end of the Ethernet cable to a PoE injector. Plug the PoE injector into your PC or into your local network switch.
- 2. Set your computer IP configuration to automatic (DHCP).
- 3. Default IP address of the unit is 192.168.88.1, open this address in your web browser to start configuration. The username is admin and there is no password.

RouterOS includes many configuration options in addition to what is described in this document. We suggest to start here to get yourself accustomed to the possibilities: http://mt.lv/help In case IP connection is not available, the Winbox tool (http://mt.lv/winbox) can be used to connect to the MAC address of the device from the LAN side (all access is blocked from the internet port by default).

Extension Slots and Ports

- One Integrated Wireless chip with built in antenna, max gain 9 dBi + the gain of the dish that it is mounted in.
- One ethernet port, supporting automatic cross/straight cable correction (Auto MDI/X), so you can use either straight or cross-over cables for connecting to other network devices.

Buttons and Jumpers

The reset button has three functions:

- Hold this button during boot time until LED light starts flashing, release the button to reset RouterOS configuration (total 5 seconds).
- Keep holding for 5 more seconds, LED turns solid, release now to turn on CAP mode. The device will now look for a CAPsMAN server (total 10 seconds).
- Or Keep holding the button for 5 more seconds until until LED turns off, then release it to make the RouterBOARD look for Netinstall servers (total 15 seconds).

Regardless of the above option used, the system will load the backup RouterBOOT loader if the button is pressed before power is applied to the device. Useful for RouterBOOT debugging and recovery.

Operating System Support

The device supports RouterOS software with the version number at or above what is indicated in the RouterOS menu /system resource. Other operating systems have not been tested.

Federal Communication Commission Interference Statement

FCC ID: TV7LDF2ND

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This device and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter.

IMPORTANT: Exposure to Radio Frequency Radiation.

20 cm minimum distance has to be maintained between the antenna and the general public. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

Industry Canada

IC: 7442A-LDF2ND

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Document: #38172 Modified on: 02/06/18

CE Declaration of Conformity

Maximum Output Power (EIRP) in 2412 - 2462 MHz is 27dBm.

Manufacturer: Mikrotikls SIA, Pernavas street 46, Riga, Latvia, LV1009.



Full Declaration of Conformity (DoC) may be obtained by visiting our product page on https://mikrotik.com

- EN Hereby, Mikrotīkls SIA declares that this routerboard is in compliance with the essential requirements and other relevant provisions of directive 2014/53/ec.
- BG C настоящето, Mikrotīkls SIA декларира, че routerboard е в съответствие със съществените изисквания и другитеприложими разпоредби на директива 2014/53/ec.
- CZ Mikrotīkls SIA tímto prohlašuje, že routerboard splňuje základní požadavky a všechna příslušná ustanoveni směrnice 2014/53/es.
- DK Undertegnede Mikrotīkls SIA erklærer herved, at følgende udstyr routerboard overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/ef.
- DE Hiermit erklärt Mikrotīkls SIA dass sich das gerät routerboard in übereinstimmung mit den grundlegenden anforderungen und den übrigen einschlägigen bestimmungen der richtlinie 2014/53/eg befindet.
- EE Käesolevaga kinnitab Mikrotīkls SIA seadme routerboard vastavust direktiivi 2014/53/eü põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
- GR Με την παρουσα ο κατασκευαστης Mikrotīkls SIA δηλωνει οτι routerboard συμμορφωνεται προς τις ουσιωδεις απαιτησεις και τις λοιπες σχετικες διαταξεις της οδηγιας 2014/53/εκ
- ES Por la presente, Mikrotīkls SIA declara que este routerboard cumple con los requisitos esenciales y otras exigencias relevantes de la directiva 2014/53/ec.
- Ton la presente Mikrotīkls SIA dichiara che questo routerboard è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/ce.
- LV År šo Mikrotīkls SIA deklarē, ka routerboard atbilst direktīvas 2014/53/ek būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
- LT Šiuo Mikrotīkls SIA deklaruoja, kad šis routerboard atitinka esminius reikalavimus ir kitas 2014/53/eb direktyvos nuostatas
- HU A Mikrotīkls SIA ezzennel kijelenti, hogy a routerboard típusú beren-dezés teljesíti az alapvető követelményeket és más 2014/53/ek irányelvben meghatározott vonatkozó rendelkezéseket.
- NL Hierbij verklaart Mikrotikls SIA dat het toestel I routerboard in overeenstemming is met de essentiële eisen en de andere relevante bepalin-gen van richtlijn 2014/53/eg.
- PL Niniejszym Mikrotīkls SIA deklaruje że routerboard jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami dyrektywy 2014/53/ec
- PT Eu, Mikrotīkls SIA declaro que o routerboard cumpre os requisitos essenciais e outras provisões relevantes da directiva 2014/53/ec
- RO Prin prezenta, Mikrotīkls SIA declară că aparatul routerboard este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale directivei 2014/53/ce.
- SL Mikrotīkls SIA týmto vyhlasuje, že routerboard spĺňa základné požiadavky a všetky príslušné ustanovenia smernice 2014/53/es.
- SI Mikrotīkls SIA izjavlja, da je ta routerboard v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 2014/53/es.
- FI Mikrotīkls SIA vakuuttaa täten että routerboard tyyppinen laite on direktiivin 2014/53/ey oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
- SE Härmed intygar Mikrotīkis SIA att denna routerboard är i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/eg.
- NO Mikrotīkls SIA erklærer herved at routerboard er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/ef.

EN. Instruction manual: Connect the power adapter to turn on the device. Open 192.168.88.1 in your web browser, to configure it. More information on http://mt.lv/help BS. Hierryxkupi: Cespwere agarnepa на захранване, за да в включите устройството. Отворете 192.168.88.1 is webowem prohližeći pro konfiguraci produktu. Vice informaci najdete v http://mt.lv/help DK. Instruktionsbog. Tilsult strømadapteren for at tænde for enheden. Abn 192.168.88.1 i en webbrowser til at konfigurere produktet. Mere information i http://mt.lv/help BK. Instruktionsbog. Tilsult strømadapteren for at tænde for enheden. Abn 192.168.88.1 i en webbrowser til at konfigurere produktet. Mere information i http://mt.lv/help ER. Mode d'emploi: Connectez l'adaptateur d'alimentation pour allumer l'appareil. Ouvrez 192.168.88.1 dans un navigateur Web pour configurer le produit. Plus d'informations dans http://mt.lv/help DE. Bedienungsanleitung. Verbinden Sie das Netzteil, um das Gerät einzuschalten. Offinen Sie 192.168.88.1 in einem Web-Browser, um das Produkt zu konfigureren. Weitere Informationen im http://mt.lv/help. EE. Kasutsujuhend. Uhnedage toiteadapter seadme sisselüitlamiseks. Avatud 192.168.88.1 in veebliehistegi seadistada tooted: Rohkem teavet http://mt.lv/help. ES. Manual de instrucciones: Conecte el adaptador de alimentación para encender la unidad. Abra 192.168.88.1 en un navegador web para configurar el producto. Más información en http://mt.lv/help. II. Manuale di istruzioni; Collegare l'adattatore di alimentazione per accendere l'unità. Aprire 192.168.88.1 in un browser Web per configurare il prodotto. Maggiori informazioni in http://mt.lv/help. LI. Natudojimosi instrukcijā. Prijunkite malitinimo adapteri jjunkite iprenginj. I interneto narsykle 192.168.88.1 akidarykite galite konfiguruoti gaminj. Daugian informaziosi arsite http://mt.lv/help. HU. Használati utasitäs: Csatlakoztatsaa a hálózati adaptert a készülék bekapcsolásához. Megnyitása 192.168.88.1 egy webböngészőben beállitani a terméket. Több informació http://mt.lv/help

