

## EMG SA SET

# EMG SA Active Single Coil Guitar Pickup Set (Red) Instruction Manual

Model: SA SET

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EMG SA Active Single Coil Guitar Pickup Set. The EMG SA pickups are designed to deliver a classic single-coil tone with enhanced midrange response and higher output, while eliminating unwanted noise.

Key features of the EMG SA Set include:

- **Active Circuitry:** Provides high output and low noise performance.
- **Alnico V Bar Magnets:** Contributes to bell-like harmonics, increased sustain, and a rich bottom end.
- **Internal Shielding and Low Impedance Preamp:** Ensures virtually noiseless operation without compromising true single-coil tone.
- **Creamy Mid-Range Warmth:** Ideal for clear, strong, and expressive blues tones.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. The EMG SA Set typically utilizes a solderless wiring system for ease of installation. Refer to the included wiring diagram for specific connections.

### 2.1. Tools Required

- Small Phillips head screwdriver
- Wire cutters/strippers (if not using solderless connections exclusively)
- Soldering iron and solder (if modifying existing wiring or not using solderless connections)
- Multimeter (optional, for checking connections)
- 9-volt battery

### 2.2. Pre-Installation Check

Before beginning, ensure all components of your EMG SA Set are present and undamaged. This typically includes the three SA pickups, potentiometers, output jack, battery clip, and various connection cables.



**Image Description:** A collection of EMG active pickup wiring components, including potentiometers, an output jack, a battery clip, various color-coded cables with connectors, and a 5-way switch. These components facilitate a solderless installation for EMG active pickups.

## 2.3. Mounting the Pickups

1. Carefully remove the existing pickups from your guitar.
2. Place the EMG SA pickups into the pickup routes on your guitar's pickguard or body.
3. Secure the pickups using the provided screws, adjusting the height as desired. Initial height can be set to approximately 1/8 inch (3mm) from the strings when fretted at the last fret.



**Image Description:** Three red EMG SA active single coil guitar pickups are shown from an angled top-down perspective. Each pickup has the 'EMG' logo embossed on its cover. They are designed for electric guitars, offering a distinct aesthetic and active sound.

## 2.4. Wiring Connections

The EMG SA Set uses a solderless wiring system. Connect the pickups to the potentiometers, output jack, and battery clip according to the provided wiring diagram. Ensure all connections are secure and properly seated.

- Connect the pickup output cables to the input terminals on the volume potentiometer.
- Connect the tone potentiometers to the volume potentiometer and output jack as indicated.
- Connect the battery clip to the designated power input on the wiring harness.
- Ensure the output jack is correctly wired for stereo operation, as active pickups require power from the ring terminal.

## 2.5. Battery Installation

Active pickups require a 9-volt battery for operation. Install a fresh 9-volt battery into the battery clip. Secure the battery within the guitar's control cavity, ensuring it does not short against other components.

## 2.6. Initial Testing

After installation, plug your guitar into an amplifier. Test each pickup position and adjust volume and tone controls to ensure proper functionality. Listen for any unwanted noise or signal dropouts.

# 3. OPERATING YOUR EMG SA PICKUPS

---

The EMG SA pickups are designed for straightforward operation. Once installed and powered, they provide a consistent, high-fidelity signal.

- **Volume and Tone Controls:** Use your guitar's standard volume and tone potentiometers to shape your sound. Active pickups often provide a wider range of usable tone control.
- **Pickup Selector:** Utilize your guitar's pickup selector switch to choose between individual pickups or combinations, exploring the various tonal characteristics of the SA set.
- **Power Consumption:** The pickups draw power from the 9-volt battery only when a cable is plugged into the output jack. Unplug your guitar when not in use to conserve battery life.

# 4. MAINTENANCE

---

Regular maintenance ensures the longevity and optimal performance of your EMG SA pickups.

- **Cleaning:** Wipe the pickup covers with a soft, dry cloth to remove dust and grime. Avoid using abrasive cleaners or solvents.
- **Battery Replacement:** The 9-volt battery typically lasts for hundreds of hours of playing time. Replace the battery when you notice a decrease in output, loss of clarity, or distortion. Always use a fresh, high-quality alkaline 9-volt battery.
- **Connection Check:** Periodically inspect all solderless connections to ensure they are secure. If you used soldered connections, check for any cold solder joints.
- **Pickup Height Adjustment:** Experiment with pickup height to fine-tune your tone and output. Raising the pickups increases output and bass response, while lowering them reduces output and can enhance clarity.

# 5. TROUBLESHOOTING

---

If you encounter issues with your EMG SA pickups, consult the following troubleshooting guide:

### 5.1. No Sound or Weak Output

- **Check Battery:** The most common cause. Replace with a fresh 9-volt battery.
- **Check Cable:** Ensure your guitar cable is fully inserted into the output jack and is functioning correctly.
- **Verify Connections:** Re-check all solderless connections for proper seating. If soldered, inspect for loose wires or cold solder joints.
- **Output Jack:** Ensure the output jack is correctly wired and not faulty.

### 5.2. Unwanted Noise or Hum

EMG active pickups are designed to be virtually noiseless. If you experience noise:

- **External Interference:** Move away from sources of electromagnetic interference (e.g., computer monitors, fluorescent lights, power transformers).
- **Grounding Issues:** While active pickups are less susceptible to traditional grounding hum, ensure all components are properly grounded according to the wiring diagram.
- **Faulty Cable/Amplifier:** Test with a different guitar cable and amplifier to rule out external equipment issues.

### 5.3. Poor or Inconsistent Tone

- **Battery Level:** A low battery can affect tone and dynamics. Replace the battery.
- **Pickup Height:** Adjust pickup height to find the optimal balance of output and tone.
- **Amplifier Settings:** Ensure your amplifier's EQ and gain settings are appropriate for the desired tone.
- **String Condition:** Old or corroded strings can significantly impact tone.

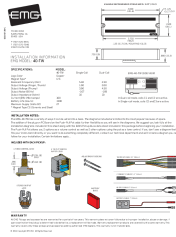
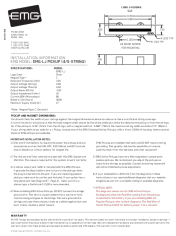
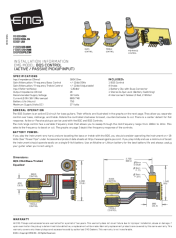
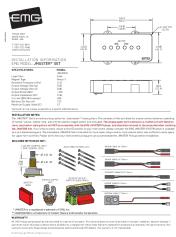
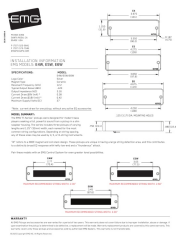
## 6. SPECIFICATIONS


Specification	Detail
Model	SA SET
Color	Red
Pickup Type	Active Single Coil
Magnet Type	Alnico V Bar
Item Weight	15.7 ounces
Product Dimensions	7 x 3 x 5 inches
ASIN	B01FOHC36C
Date First Available	August 8, 2016

## 7. WARRANTY AND SUPPORT


For warranty information and technical support, please refer to the documentation included with your product or visit the official EMG website. You can also find additional resources and contact information at

Related Documents - SA SET

	<p><a href="#">EMG 40-TW Active Bass Pickup Installation Guide and Specifications</a></p> <p>Comprehensive installation guide and technical specifications for the EMG 40-TW active bass pickup. This document details wiring diagrams, component descriptions, and warranty information, enabling users to install and configure the pickup for various tonal options.</p>
	<p><a href="#">EMG-LJ Pickup Installation and Specifications</a></p> <p>Comprehensive guide for installing the EMG-LJ pickup for 4/5-string basses, covering specifications, wiring diagrams, and warranty information.</p>
	<p><a href="#">EMG BQS Control Active Bass Preamp Installation and Operation Guide</a></p> <p>Comprehensive guide to installing and operating the EMG BQS Control active EQ preamp for bass guitars, including specifications, included components, general operation, battery power, dimensions, warranty, and detailed wiring diagrams for various configurations.</p>
	<p><a href="#">EMG JMASTER* SET: Active Guitar Pickup Installation Guide</a></p> <p>This document provides comprehensive installation instructions and technical specifications for the EMG JMASTER* SET active guitar pickup system. Designed for Jazzmaster-style guitars, it includes detailed wiring diagrams for various configurations, a list of included components, general notes, and warranty information. Learn how to install and connect your JMASTER* SET pickups for optimal performance.</p>
	<p><a href="#">EMG E-Series Bass Pickups: Installation Guide and Specifications</a></p> <p>Comprehensive installation instructions, wiring diagrams, specifications, and warranty information for EMG E4W, E5W, and E6W active soapbar bass pickups. Learn how to install these pickups in 4, 5, or 6-string instruments.</p>



ES 110 OR



MANUALE UTENTE

USERS GUIDE

MANUEL DE L'UTILISATEUR

GETRUCKERANLEITUNG

### Manuale Utente Monopattino Elettrico EMG ES 110 OR

Guida utente completa per il monopattino elettrico EMG ES 110 OR. Copre configurazione, funzionamento, ricarica, manutenzione, specifiche tecniche e avvertenze di sicurezza per un uso ottimale e sicuro.

Documents - EMG – SA SET

TURNTABLE DRIVE - SM9468

A special version of the PM300 has been designed to accommodate the particular needs of a servo-controlled used in a turntable speed control application.

A switch connected to the PM300's Fast Jog input selects either manual mode where the turntable speed is set on thumbwheel switches, or computer mode where all the turntable PM300 commands are available plus some application specific commands. The PM300 must be in Run (R) mode for the selection to be correct (if two points is required).

**Special Commands:**

QPC1: servo on/off mode factor

SCALE: set scale factor  
(range: 0.001 to 1.000)  
initial value: 1.000

The relative to turntable speed is dependent on QPC1. This function sets the maximum speed a scale factor is 0.001 or 0.010 or 0.100 or 1.000.

RPM: set speed in RPM to 30  
range: 0.001 to 1.000

RT: Read value on thumbwheel switch input.

**Computer Mode**

The computer mode is a speed control using the RPM command. This mode is set in constant velocity mode using the CV command. To set the motor running in the opposite direction, a CV1 command would be used. To stop the motor, use the stop command. The speed is set on the thumbwheel switches.

The scale factor does not change the speed in computer mode. The scale factor is set using the SCALE command. The scale factor does not change the speed in computer mode.

At zero, motor speed is 0.001. At 1.000, motor speed is 1.000. The scale factor is set using the SCALE command. The scale factor does not change the speed in computer mode.

**Setting acceleration & deceleration**

The acceleration is set using the SA command and the deceleration is set using the SD command. Both values are set in engineering units.

**Scale coefficients**

The scale factor of the velocity coefficient RPM has been set to 60 and the scale factor of the proportional coefficient Kp has been set to 1.000.

**Manual Mode**

Manual mode is the PM300's Fast Jog input. The speed is set on the thumbwheel switches.

The scale factor is set using the SCALE command. The scale factor does not change the speed in computer mode.

The thumbwheel switch input is set using the RT command. This returns a numeric value corresponding to the thumbwheel switch set point.

© MIRA, 1995


[pdf] User Manual Instructions

Simon Yorke Turntable Drive SM9468 turntable audio equipment drive manuals manual instructions

lcweb2 loc gov master mbrs recording preservation |||

TURNTABLE DRIVE - SM9468 A special version of the PM300 has been designed to accommodate the particular needs of a servo controller used in a turntable speed control application. A switch connected to the PM300 s Fast Jog input selects either manual mode where the turntable speed is set on thumb...

lang:en score:28 filesize: 14.31 M page\_count: 39 document date: 2013-11-21



OPERATION  
MANUAL

VSF-1616  
Routing Switcher

1<sup>st</sup> Edition - Rev.1

\*S

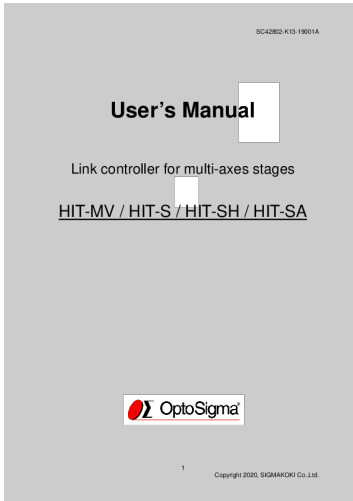
English Manual Template Higashizawa for a vsf 1616 operation manual 80 cdn1 guidessimo view 1255348 |||

OPERATION MANUAL VSF-1616 Routing Switcher \*S 1st Edition - Rev.1

Precautions Important Safety Warnings Power Operate unit only on the specified supply voltage. Caution Disconnect power cord by connector only. Do not pull on cable portion. Do not place or drop heavy or sharp-edged objects on ...

lang:en score:19 filesize: 564.28 K page\_count: 80 document date: 2009-11-30



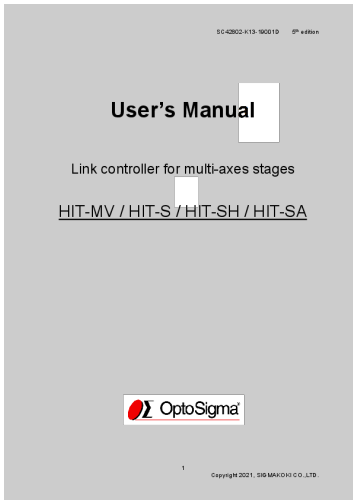


[\[pdf\]](#) User Manual Diagram

Controller Manual HIT MV En optosigma pub media software controller manual |||

SC42802-K13-19001A User s Manual Link controller for multi-axes stages HIT-MV / HIT-S / HIT-SH / HIT-SA 1 Copyright 2020, SIGMAKOKI Co.,Ltd. SC42802-K13-19001A Notes regarding these materials These materials are intended as a reference to assist our customers in the use of the SIGMAKOKI CO., LTD....

lang:en score:19 filesize: 1.82 M page\_count: 80 document date: 2020-05-13

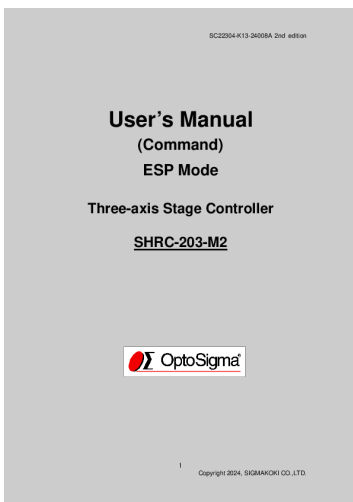


[\[pdf\]](#) User Manual Diagram

Controller Manual HIT MV En jp optosigma html en software motorize manual |||

SC42802-K13-19001D 5th edition User s Manual Link controller for multi-axes stages HIT-MV / HIT-S / HIT-SH / HIT-SA 1 Copyright 2021, SIGMAKOKI CO.,LTD. SC42802-K13-19001D Notes regarding these materials 5th edition These materials are intended as a reference to assist our customers in the use ...

lang:en score:19 filesize: 1.56 M page\_count: 80 document date: 2021-09-14



[\[pdf\]](#) User Manual

SHRC 203 M2 MANUAL Command ESP mode en static optosigma jp software motorize manual |||

SC22304-K13-24008A 2nd edition User s Manual Command ESP Mode Three-axis Stage Controller SHRC-203-M2 1 Copyright 2024, SIGMAKOKI CO.,LTD. SC22304-K13-24008A 2nd edition 2 Copyright 2024, SIGMAKOKI CO.,LTD. SC22304-K13-24008A 2nd edition Contents 1. Overview.....

lang:en score:16 filesize: 409.94 K page\_count: 80 document date: 2024-07-19



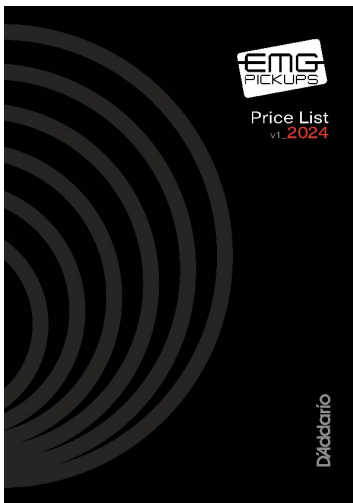
[pdf] Accessories Catalog

Listino Gold Music Giovanni Salerno One moment please EMG 2024 05 01 gold music it img cms

DOWNLOAD CATALOGHI |||

DIVISIONE POP Elettronica per basso elettrico Accessories series RICAMBI PER STRUMENTI A CORDE Acce ... aft Tono 1x Clip batteria 1x Presa jack stereo 1x Cavo Quick-Connect Molle Viti Cavi. **SA SET BLACK IVA INCL. 310,00A** Single coil attivi SA Set per chitarra elettrica 6 corde - Active ...

lang:it score:14 filesize: 1.7 M page\_count: 40 document date: 2024-05-27



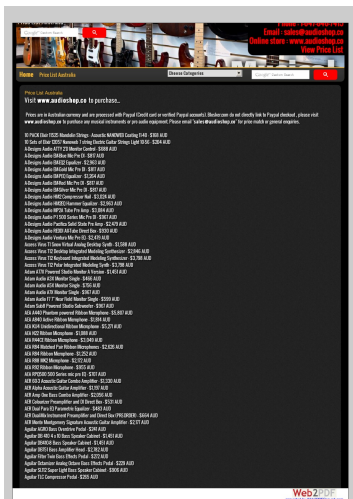
[pdf] Price List

Price Lists DAddario AustraliaEMG List Jan 2024cdn shopify s files 1 0197 7034 EMG 2024 v

1706164219 |||

EMG Price List - January 2024 Stock Code SIGNATURE SETS EMGKHBBSETBK EMGJHSETDLC EMGJHSETGD EMGJHSETBGD EMGJHSETCH EMGJHSETBCH EMGJHSETBBLCH EMGJHSETBBLCH-F EMGJHSETBCH-F EMGJHSETBGD-F EMGJHSETCH-F EMGJHSETGD-F EMGRTSETBLCH EMGRTSETBBCH EMGRTSETCH EMGRTSETBRCH EMGLCBRGD EMGJRSETZEB EMGJRSETBK EMGJR...

lang:de score:14 filesize: 588.7 K page\_count: 12 document date: 2024-01-25



[Australia Price List - Pro Audio Equipment and Musical Instruments](#)

Comprehensive price list for pro audio equipment, musical instruments, microphones, guitars, amplifiers, and accessories from leading brands. Purchase online from AudioShop.co.

lang:en score:13 filesize: 9.66 M page\_count: 35 document date: 0000-00-00





[\[pdf\]](#) Price List

Price Lists DAddario AustraliaEMG List June 2025cdn shopify s files 1 0197 7034 EMG 2025 v 1748587029 |||

EMG Price List - June 2025 GUITAR SIGNATURE SETS Zakk Wylde Set EMGZWBK Kerry King Set EMGKFKSETBK Kirk Hammett Set EMGKHBBSETBK James Hetfield Set EMGJHSETDLC EMGJHSETBBLCH EMGJHSETCH EMGJHSETBCH EMGJHSETGD EMGJHSETBGD Floyd EMGJHSETDLC-F EMGJHSETBBLCH-F EMGJHSETCH-F EMGJHSETBCH-F EMGJHSETGD-F EMG...

lang:en **score:12** filesize: 1.1 M page\_count: 8 document date: 2025-05-30



[\[pdf\]](#) Price List

Price Lists DAddario Australia EMG List 2023 v1 v 1679448433 cdn shopify s files 1 0197 7034 |||

EMG Price List 2023 Stock Code SIGNATURE SETS EMGKHBBSETBK EMGJHSETDLC EMGJHSETGD EMGJHSETBGD EMGJHSETCH EMGJHSETBCH EMGJHSETBBLCH EMGRTSETBLCH EMGRTSETBBCH EMGRTSETCH EMGRTSETBRCH EMGLCBRGD EMGJRSETZEB EMGJRSETBK EMGJRSETZEB-F EMGJRSETBK-F EMGLFDMF-BLCH EMGREVSETBK EMGREVSETWH EMGREVSETIV EMGREVSE...

lang:de **score:11** filesize: 986.64 K page\_count: 11 document date: 2023-03-22

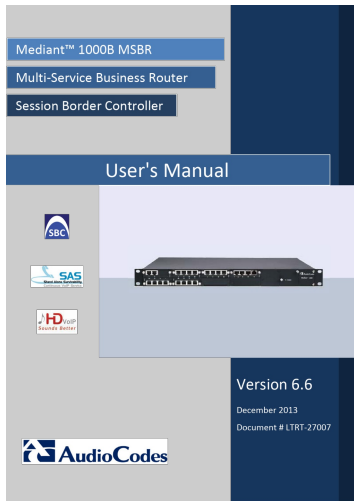


[\[pdf\]](#) Price List

Pricelists DAddario Australia EMG Price List Nov 1st 2022 v 1666733418 cdn shopify s files 1 0197 7034 |||

EMG Price List - November 1st 2022 Stock Code SIGNATURE SETS EMGKHBBSETBK EMGJHSETDLC EMGJHSETGD EMGJHSETBGD EMGJHSETCH EMGJHSETBCH EMGJHSETBBLCH EMGRTSETBLCH EMGRTSETBBCH EMGRTSETCH EMGRTSETBRCH EMGLCBRGD EMGJRSETZEB EMGJRSETBK EMGJRSETZEB-F EMGJRSETBK-F EMGLFDMF-BLCH EMGREVSETBK EMGREVSETWH EMGRE...

lang:de **score:11** filesize: 968.84 K page\_count: 11 document date: 2022-10-09



[\[pdf\]](#) User Manual Quick Start Guide

User s Manual Mediant 1000B MSBR Document LTRT 27007 MD AudioCodes Version 6 December 2013  
™ Multi Service Business Router Session ltrt mediant 1000b msbr users manual ver 66 audiocodes  
media 9838

Mediant™ 1000B MSBR Multi-Service Business Router Session Border Controller  
User s Manual Version 6.6 December 2013 Document # LTRT-27007 User s Manual  
Contents Table of Contents 1 Overview

.....  
lang:en score:10 filesize: 10.94 M page\_count: 1000 document date: 2013-12-18

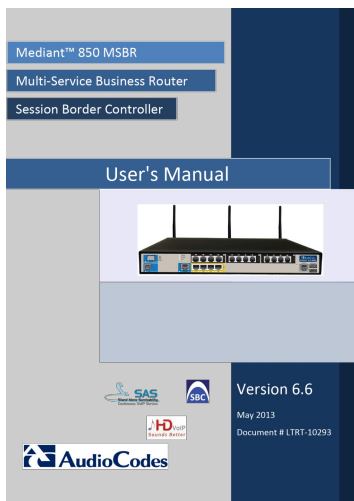


[\[pdf\]](#) User Manual Quick Start Guide

User s Manual Mediant 800 MSBR Document LTRT 12811 MD AudioCodes Version 6 December 2013  
Mediant™ Multi Service Business Router Session Border ltrt mediant msbr sip users manual ver 66  
audiocodes media 9691

Mediant™ 800 MSBR Multi-Service Business Router Session Border Controller User  
s Manual Version 6.6 December 2013 Document # LTRT-12811 User s Manual  
Contents Table of Contents 1 Overview

.....  
lang:en score:10 filesize: 10.42 M page\_count: 906 document date: 2013-12-18

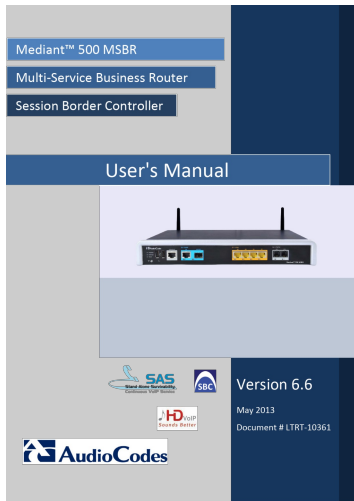


[\[pdf\]](#) User Manual Quick Start Guide

User s Manual Mediant 850 MSBR Document LTRT 10293 MD AudioCodes Version 6 May 2013  
Mediant™ Multi Service Business Router Session Border ltrt mediant msbr sip users manual ver 66  
audiocodes media 9560

Mediant™ 850 MSBR Multi-Service Business Router Session Border Controller User  
s Manual Version 6.6 May 2013 Document # LTRT-10293 User s Manual Contents  
Table of Contents 1 Overview

.....19 ...  
lang:en score:10 filesize: 10.72 M page\_count: 902 document date: 2013-05-09



## [\[pdf\]](#) User Manual Quick Start Guide

User s Manual Mediant 500 MSBR Document LTRT 10361 MD AudioCodes 39 audiocodes Version 6  
May 2013 Mediant™ Service Business Router Session Border Controller 3 Contents Table of Multi ltrt  
mediant msbr sip users manual ver 66 media 9571

Mediant™ 500 MSBR Multi-Service Business Router Session Border Controller User  
s Manual Version 6.6 May 2013 Document # LTRT-10361 User s Manual Contents  
Table of Contents 1 Overview

.....19 ...

lang:en score:10 filesize: 8.98 M page\_count: 794 document date: 2013-05-09