

RM-X-64-DNT Ember+ Reference

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106

Parameters

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Functions

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Matrices

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Nodes

Parameters

OID / Path	Name path	Type	Access	Example value	Range / Enumeration
1.1.1	root / identity / product	String [3]	Read [1]	RM-X-64-DNT UTF8	
1.1.2	root / identity / company	String [3]	Read [1]	Sonifex Ltd. UTF8	
1.1.3	root / identity / serial	String [3]	Read [1]	UTF8	
1.1.4	root / identity / version	String [3]	Read [1]	D0.1.3059 UTF8	
1.3.1	root / network / friendly_name	String [3]	Read / Write [3]	RM-X-64-DNT-RavRack UTF8	
1.3.2.1	root / network / eth0 / mode	Integer [1]	Read / Write [3]	2 INTEGER	Allowed values 0 = disabled 1 = static 2 = dynamic
1.3.2.2	root / network / eth0 / ip_address	String [3]	Read / Write [3]	192.168.0.100 UTF8	
1.3.2.3	root / network / eth0 / netmask	String [3]	Read / Write [3]	255.255.255.0 UTF8	
1.3.2.4	root / network / eth0 / gateway	String [3]	Read / Write [3]	0.0.0.0 UTF8	
1.3.2.5	root / network / eth0 / mac_address	String [3]	Read [1]	D0:A4:B1:00:51:BB UTF8	
1.4.1	root / audio / clock sync	Integer [1]	Read / Write [3]	0 INTEGER	Range 0 to 11 Allowed values 0 = Internal 1 = AES3id Input 2 = MADI Input 3 = Expansion 1: EXP-D16 Input 1+2 4 = Expansion 1: EXP-D16 Input 3+4 5 = Expansion 1: EXP-D16 Input 5+6 6 = Expansion 1: EXP-D16 Input 7+8 7 = Expansion 1: EXP-D16 Input 9+10 8 = Expansion 1: EXP-D16 Input 11+12 9 = Expansion 1: EXP-D16 Input 13+14 10 = Expansion 1: EXP-D16 Input 15+16 11 = Expansion 2: EXP-SDI Input

OID / Path	Name path	Type	Access	Example value	Range / Enumeration
1.4.2	root / audio / headphone attenuation	Integer [1]	Read / Write [3]	-12 INTEGER	Range -24 to 0
1.4.3	root / audio / speaker mute	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.4.4	root / audio / headphone mute	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.4.5	root / audio / lineout mute	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.4.6	root / audio / microphone mute	Boolean [4]	Read / Write [3]	True BOOLEAN	
1.4.7	root / audio / speaker dim attenuation	Integer [1]	Read / Write [3]	-24 INTEGER	Range -36 to -12
1.4.8	root / audio / headphone dim attenuation	Integer [1]	Read / Write [3]	-12 INTEGER	Range -36 to -12
1.4.9	root / audio / lineout dim attenuation	Integer [1]	Read / Write [3]	-24 INTEGER	Range -36 to -12
1.4.10	root / audio / lineout level	Integer [1]	Read / Write [3]	0 INTEGER	Range 0 to 1 Allowed values 0 = Speaker Level 1 = Fixed (0dB)
1.4.11	root / audio / lineout mode	Integer [1]	Read / Write [3]	0 INTEGER	Range 0 to 1 Allowed values 0 = Analogue 1 = Digital
1.4.12	root / audio / analogue lineout line up	Integer [1]	Read / Write [3]	1 INTEGER	Range 0 to 4 Allowed values 0 = +15dBu = 0dBFS 1 = +18dBu = 0dBFS 2 = +20dBu = 0dBFS 3 = +22dBu = 0dBFS 4 = +24dBu = 0dBFS
1.4.13	root / audio / monitor limiter threshold	Integer [1]	Read / Write [3]	0 INTEGER	Range -40 to 0
1.4.14	root / audio / speaker volume	Integer [1]	Read / Write [3]	-24 INTEGER	Range -80 to 10
1.4.15	root / audio / headphone volume	Integer [1]	Read / Write [3]	-61 INTEGER	Range -80 to 10
1.4.16	root / audio / speaker balance	Integer [1]	Read / Write [3]	10 INTEGER	Range 0 to 20
1.4.17	root / audio / headphone balance	Integer [1]	Read / Write	10 INTEGER	Range 0 to 20

OID / Path	Name path	Type	Access	Example value	Range / Enumeration
			[3]		
1.4.18	root / audio / dim	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.4.19	root / audio / cut	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.5.1	root / frontpanel / dim button mode	Integer [1]	Read / Write [3]	3 INTEGER	Range 0 to 3 Allowed values 0 = Disabled 1 = Momentary 2 = Latching 3 = Auto
1.5.2	root / frontpanel / cut button mode	Integer [1]	Read / Write [3]	3 INTEGER	Range 0 to 3 Allowed values 0 = Disabled 1 = Momentary 2 = Latching 3 = Auto
1.5.3	root / frontpanel / led brightness	Integer [1]	Read / Write [3]	7 INTEGER	Range 0 to 7 Allowed values 0 = Min 1 = 1 2 = 2 3 = 3 4 = 4 5 = 5 6 = 6 7 = Max
1.5.4	root / frontpanel / led auto brightness	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.5.5	root / frontpanel / ac psu status led	Boolean [4]	Read / Write [3]	True BOOLEAN	
1.5.6	root / frontpanel / dc psu status led	Boolean [4]	Read / Write [3]	True BOOLEAN	
1.6.1	root / display / default source meters	Integer [1]	Read / Write [3]	0 INTEGER	Range 0 to 3 Allowed values 0 = Dante 1 = MADI 2 = Exp1:EXP-D16 3 = Exp2:EXP-SDI
1.6.2	root / display / meter scale	Integer [1]	Read / Write [3]	0 INTEGER	Range 0 to 9 Allowed values 0 = Dual PPM + Standard VU 1 = EBU PPM 2 = BBC PPM 3 = Nordic PPM 4 = AES PPM 5 = AES PPM (SMPTE RP.0155) 6 = DIN PPM 7 = German PPM

OID / Path	Name path	Type	Access	Example value	Range / Enumeration
					8 = Standard VU 9 = Extended VU
1.6.3	root / display / ppm type	Integer [1]	Read / Write [3]	0 INTEGER	Range 0 to 2 Allowed values 0 = Type I 1 = Type II 2 = Type II Slow
1.6.4	root / display / brightness	Integer [1]	Read / Write [3]	4 INTEGER	Range 0 to 4 Allowed values 0 = 20% 1 = 40% 2 = 60% 3 = 80% 4 = 100%
1.6.5	root / display / auto brightness	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.6.6	root / display / screen saver enable	Boolean [4]	Read / Write [3]	False BOOLEAN	
1.6.7	root / display / screen saver timeout	Integer [1]	Read / Write [3]	5 INTEGER	Range 1 to 20
1.7.1.1.0	root / metering settings / labels / targets / t-0	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.1	root / metering settings / labels / targets / t-1	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.2	root / metering settings / labels / targets / t-2	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.3	root / metering settings / labels / targets / t-3	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.4	root / metering settings / labels / targets / t-4	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.5	root / metering settings / labels / targets / t-5	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.6	root / metering settings / labels / targets / t-6	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.7	root / metering settings / labels / targets / t-7	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.1.24	root / metering settings / labels / targets / t-24	String [3]	Read / Write [3]	MADI 25-32 UTF8	
1.7.1.1.25	root / metering settings / labels / targets / t-25	String [3]	Read / Write [3]	MADI 25-32 UTF8	

OID / Path	Name path	Type	Access	Example value	Range / Enumeration
1.7.1.1.26	root / metering settings / labels / targets / t-26	String [3]	Read / Write [3]	MADI 25-32 UTF8	
1.7.1.1.27	root / metering settings / labels / targets / t-27	String [3]	Read / Write [3]	MADI 25-32 UTF8	
1.7.1.1.28	root / metering settings / labels / targets / t-28	String [3]	Read / Write [3]	MADI 25-32 UTF8	
1.7.1.1.29	root / metering settings / labels / targets / t-29	String [3]	Read / Write [3]	MADI 25-32 UTF8	
1.7.1.1.30	root / metering settings / labels / targets / t-30	String [3]	Read / Write [3]	MADI 25-32 UTF8	
1.7.1.1.31	root / metering settings / labels / targets / t-31	String [3]	Read / Write [3]	MADI 25-32 UTF8	
1.7.1.1.100	root / metering settings / labels / targets / t-100	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.101	root / metering settings / labels / targets / t-101	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.102	root / metering settings / labels / targets / t-102	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.103	root / metering settings / labels / targets / t-103	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.104	root / metering settings / labels / targets / t-104	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.105	root / metering settings / labels / targets / t-105	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.106	root / metering settings / labels / targets / t-106	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.107	root / metering settings / labels / targets / t-107	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.108	root / metering settings / labels / targets / t-108	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.109	root / metering settings / labels / targets / t-109	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.110	root / metering settings / labels / targets / t-110	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.111	root / metering settings / labels / targets / t-111	String [3]	Read / Write [3]	Spare 16 UTF8	

OID / Path	Name path	Type	Access	Example value	Range / Enumeration
1.7.1.1.112	root / metering settings / labels / targets / t-112	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.113	root / metering settings / labels / targets / t-113	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.114	root / metering settings / labels / targets / t-114	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.115	root / metering settings / labels / targets / t-115	String [3]	Read / Write [3]	Spare 16 UTF8	
1.7.1.1.214	root / metering settings / labels / targets / t-214	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.1.215	root / metering settings / labels / targets / t-215	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.1.216	root / metering settings / labels / targets / t-216	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.1.217	root / metering settings / labels / targets / t-217	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.1.218	root / metering settings / labels / targets / t-218	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.1.219	root / metering settings / labels / targets / t-219	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.1.220	root / metering settings / labels / targets / t-220	String [3]	Read / Write [3]	SDI 221-228 UTF8	
1.7.1.1.221	root / metering settings / labels / targets / t-221	String [3]	Read / Write [3]	SDI 221-228 UTF8	
1.7.1.1.222	root / metering settings / labels / targets / t-222	String [3]	Read / Write [3]	SDI 221-228 UTF8	
1.7.1.1.223	root / metering settings / labels / targets / t-223	String [3]	Read / Write [3]	SDI 221-228 UTF8	
1.7.1.1.224	root / metering settings / labels / targets / t-224	String [3]	Read / Write [3]	SDI 221-228 UTF8	
1.7.1.1.225	root / metering settings / labels / targets / t-225	String [3]	Read / Write [3]	SDI 221-228 UTF8	
1.7.1.1.226	root / metering settings / labels / targets / t-226	String [3]	Read / Write [3]	SDI 221-228 UTF8	
1.7.1.1.227	root / metering settings / labels / targets / t-227	String [3]	Read / Write [3]	SDI 221-228 UTF8	

OID / Path	Name path	Type	Access	Example value	Range / Enumeration
1.7.1.1.228	root / metering settings / labels / targets / t-228	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.1.229	root / metering settings / labels / targets / t-229	String [3]	Read / Write [3]	Test K UTF8	
1.7.1.2.0	root / metering settings / labels / sources / s-0	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.1	root / metering settings / labels / sources / s-1	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.2	root / metering settings / labels / sources / s-2	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.3	root / metering settings / labels / sources / s-3	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.4	root / metering settings / labels / sources / s-4	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.5	root / metering settings / labels / sources / s-5	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.6	root / metering settings / labels / sources / s-6	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.7	root / metering settings / labels / sources / s-7	String [3]	Read / Write [3]	Dante 1-8 UTF8	
1.7.1.2.64	root / metering settings / labels / sources / s-64	String [3]	Read / Write [3]	MADI 1-8 UTF8	
1.7.1.2.65	root / metering settings / labels / sources / s-65	String [3]	Read / Write [3]	MADI 1-8 UTF8	
1.7.1.2.66	root / metering settings / labels / sources / s-66	String [3]	Read / Write [3]	MADI 1-8 UTF8	
1.7.1.2.67	root / metering settings / labels / sources / s-67	String [3]	Read / Write [3]	MADI 1-8 UTF8	
1.7.1.2.68	root / metering settings / labels / sources / s-68	String [3]	Read / Write [3]	MADI 1-8 UTF8	
1.7.1.2.69	root / metering settings / labels / sources / s-69	String [3]	Read / Write [3]	MADI 1-8 UTF8	
1.7.1.2.70	root / metering settings / labels / sources / s-70	String [3]	Read / Write [3]	MADI 1-8 UTF8	
1.7.1.2.71	root / metering settings / labels / sources / s-71	String [3]	Read / Write [3]	MADI 1-8 UTF8	

Functions

OID / Path	Name path	Description
1.2.1	root / system / reboot	Save configuration and reboot the unit

Matrices

OID / Path	Name path	Targets	Sources	Addressing	Parameters location	Labels	Description
1.7.3	root / metering settings / matrix	48	16	0			Matrix to store metering settings and connection info

Node index

OID / Path	Name path	Description
1	root	
1.1	root / identity	
1.2	root / system	
1.3	root / network	
1.3.2	root / network / eth0	eth0
1.4	root / audio	
1.5	root / frontpanel	
1.6	root / display	
1.7	root / metering settings	
1.7.1	root / metering settings / labels	
1.7.1.1	root / metering settings / labels / targets	
1.7.1.2	root / metering settings / labels / sources	
1.7.2	root / metering settings / parameters	
1.8	root / gpio	
1.9	root / expansion1	
1.10	root / expansion2	