ScreenService
IT WORKS.

DAB, DAB+, T-DMB

Product Catalogue 3Q 2013

ScreenService

IT WORKS.

Screen Service
is a worldwide known
company focused
on turn key
and end-to-end solutions
for all broadcaster needs.

With more than
20 years of experience
and thousands
of satisfied customers,
Screen Service is the
leading company in
digital TV technology.

Historical Milestones

1980s

In the late 1980s Screen Service Italia (SSI) was founded in Brescia. It was active in management, assistance and trading of TV-radio systems, radio transmitters and other electronic equipment.

1990s

- SSI starts internal production of TV Transmitters and Microwave Links.
- Strategic partnership with M.B. International Srl, broadens its product portfolio with digital broadcasting technology.

2000s

- **2004:** SSI acquires a 39% stake in Innovaction S.r.l., a company which operates in projects and prototypes of electronics and transmission equipment.
- **2004:** Cape Natexis Private Equity Fund (CNPEF) and Fondamenta acquired a 60% stake in the company through SSBT S.p.A.
- **2005:** SSBT incorporates Screen Service America (SSA).
- **2005:** SSBT acquires the entire capital of M.B. International Telecom Labs S.r.l. (MBITL), a spin-off of M.B. International S.r.l.

2006s

- Screen Service System (SSS) is incorporated, entering into the system integration business with an opportunistic approach.
- **11-Jun-2007:** first day listed on the Milan Stock Exchange "Expandi Market".

2007s

- **Jun-2007:** MBITL signs agreement with Xilinx (NASDAQ – XLNX) as R&D partner for the development of several protocols in order to allow IPTV (Internet Protocol Television) to function on Xilinx's Platform.
- **Jun-2007:** Screenlogix is established and is expected to be involved in the development of a new generation of Hi-speed SuperComputers for number crunching, virtual servers and computer graphics.
- **Oct-2007:** SSBT acquires order from an important System Integrator for the supply of innovative transmitters for the broadcasting of digital terrestrial TV and mobile TV, manufactured according to the Software Defined Transmitter (SWDT) technology. The order has a value of approx. **16 million Euros.**
- **Oct-2007:** MBITL signs agreement with a major company, S&P 500 listed to develop software on embedded/digital signal processing family by utilizing the concept of "Software Defined Radio" of which MBITL is a pioneer.

2008s

- **At the end of January 2008,** Screen Service do Brasil (SSB) is incorporated and is already in a position to deliver the ISDB-T standard (also used in Japan) that has been adopted in Brazil for digital transmission.
- **Mar-2008:** record contract signed with RRD and Profit Group worth 14,5 million Euros (duration of 30 months w.e.f. 1-Apr-2008) for the supply of DVB-T equipment necessary to complete and define the digitalization process of the interregional broadcasters controlled by Profit Group.
- **Mar-2008:** financial loan of 8 million Euro granted to Profit Group (expired date 17-Mar-2011) which entitles SSBT to be the privileged supplier (first call-last refusal) of equipment necessary to the construction of the Wi-Max network of the following Italian Regions: Liguria, Toscana and the Province of Trento.
- **Mar-2008:** a call option has been granted by Profit Group for the purchase of 30% of share capital of RRD, leader in the supply of large scale solution in DVB-H technology. It can be exercised within March 2011 at a price of 7 million Euros.

2009s

- **SCREEN SERVICE acquires 100%** of RRD Reti Radiotelevisive Digitali S.r.l., a leader in the broadcast and telecommunications services industry.
- Screen Service and RRD play a primary role in the definition of the new standard for the US market, ATSC Mobile DTV (A/153), collaborating with OMVC (Open Mobile Video Coalition) and offering a complete high reliability end-to-end solution.

2010s

- **Screen Service founds Skylinks,** a newco with a long background of experiences in High Capacity Microwave Systems. Its product portfolio covers the broadcast needs but also telecom, defense, healthcare and many others.

2011s

- Tivuitalia becomes an officially authorized Italian Nationwide Network Operator.

Screen Service Broadcasting Technologies S.p.A.

- **Screen Service America LLC** 100%
- **Screen Service do Brasil Ltda.** 100%
- **Skylinks s.r.l.** 100%
- **Tivuitalia S.p.A.** 100%

Services

Have you decided to make the digital switch but cannot find a way to cover the initial cost in your budget?
Screen Service Group will make it easy to afford the switch with Darwin Service.
Darwin, otherwise known as evolutionary rental, is an innovative service with a new contractual formula allowing companies looking to make the digital switch without committing to a complete investment, or incurring upfront costs.

Screen Service always supports you, for every problem you can have using our equipments, our support center will help you. Screen Service has strategically located three different support centers in different geographical areas in order to cover the extended business hours support requirement of our customers: Italy, USA, Brazil. Call or write us (support@screen.it), we'll do our best to deliver a fast and effective solution.

Screen Service Group does not just value your company's business until the check clears; SSBT values the customer for the duration of our partnership. We hold ourselves to a high standard concerning Customer Support and Maintenance, and provide our partners with quality assistance in either field on a multinational, multilingual level. SSBT takes pride in executing our commitment to you via your warranty conditions as quickly as possible, while still adhering to the excellence and quality we have mandated for ourselves.

The Screen Service group has, through TivuItalia, network operator capabilities, installation services, and network planning. TivuItalia has a complete worldwide database with altimeters and population and twenty years of experience in network planning and coverage simulations. Thanks to their experience, TivuItalia can gather transmission site information and deliver a complete simulation of Population coverage, Errors, disturbed signals, losses of power, SFN simulations and delay calculation, Transmitting power planning and simulations and Network optimization.

The Screen Service Group have gathered an impressive range of expertise in the broadcasting industry, giving them the creditability to advice and consult in the worldwide market for digital TV, such prestige is only given to those amongst the highest echelon in their field, confirming their vast and knowledgeable experts are among the best in the world. Concerning anything from starting out, or making the transition to digital, to telecom operators seeking insight on Mobile TV business opportunities.Screen Service Group combines perspectives to give you complete results, offering you consultants from both the technical and business facets of this industry.

Screen Service Group delivers a wide range of products encompassing all services a broadcaster needs: including everything from the playout to the transmitters. Some customers want to use a particular configuration, which can be integrated into the Screen Service system. We bring a multi-product multi-platform mindset that allows us to integrate equipment our broadcasting customer already has into the Screen Service system.

Product Customization Ability

Screen Service fits customer requests into a solution.

This page shows you just a few customizations that the Screen Service engineers are capable of, have confidence in knowing that when you tell our Sales Department what you need, you are working with over twenty years of experience to ensure that you will be provided with excellent customer service and a perfectly tailored solution.

Transmitter interlock

Matching lines for the Antenna load

Emergency button

Analog dashboard

Analog Dashboard draws the output power on air and upon loading

Switching Relay

It switches from the main transmitter to the reserve with the U-Link bypass capability

TLC/TLS on top

Panel on top of the rack with all TLC and TLS signals can also have other input options, such as ASI, 10MHz and 1PPS

Dummy Load

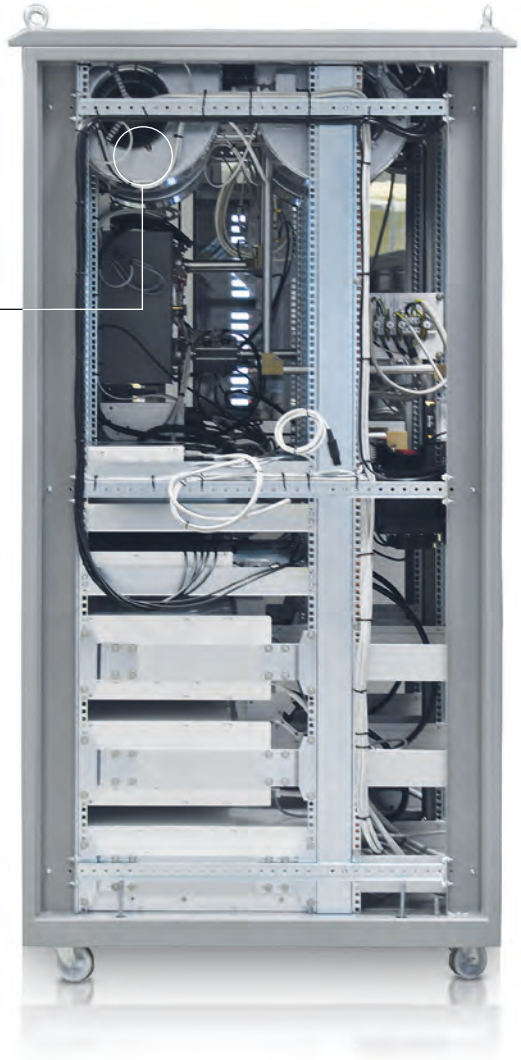
Screen Service also provides custom software applications tailored on any specific requirement our customers may have, such as the software which grants different types of access to the system allowing the authorized personnel working on it with various levels of authorizations.

Motorized Thermostatic Panel to regulate temperature

Thermostatic Panel opens and closes ducts after checking the internal temperatures (68° F, 20° C) and controls the direction of hot air in order to reduce the equipment stress

Redundant Blowers

Fans alternate operation every 300 hours



Power Distribution

Power Distribution can be provided integrating an insulator transformer, a soft start circuit, absorbtion control, and a tilting phase circuit as well as auxilary power input for the UPS system within the Control Unit

Product Portfolio

Screen Service draws the future in the broadcasting market with a wide range of advanced technology products that covers any headend, distribution, broadcast and remoting needs.

Headend

- Encoders SD, HD, H264/Decoders
- Multiplexers/Re-Multiplexers
- SFN Adapters
- Seamless ASI Switching Systems
- IRRM (Integrated Receiver and Re-Multiplexer) for Regional SFN Distribution
- Dual GPS with Seamless Switching
- Complete Head-end in a box (DVB-H) /ATSC-MH)
- T2-MI Gateway

TV Transmitters

- Multi Mode Transmitters and Transposers
- Air and Liquid Cooling
- from 1 mW to 40KW
- Analog (PAL, NTSC) and Digital
  (DVB-T/T2 - ATSC/MH – ISDB-Tb – DAB/T-DMB - DTMB)
- Transposers/Translator with Automatic Signal Recognition
- Gap Fillers With Automatic Digital Echo Cancelling Device

Test Measurement & Monitoring

- Broadcast Analyser
- Monitoring System
- Power Meter
- Multi Viewer

Radio Link Microwave System

- High Capacity Microwave Systems.
- 1+0, 1+1, 2+0, Split Mount and Full Indoor Hardware Configurations
- From 3.6 to 43 GHz., from QPSK to 1024QAM, Several HW configurations are available, scalable Ethernet from 1 up to 2Gpbs.
- Customizable radio links solutions.

Remote Network Management

All, Always, Anywhere under control... everything totally in your power. Functionality can be achieved with a minimum effort: this is the secret of modern technology. And this is also the result of uninterrupted development, where research and design push the competitive edge of technology. SSBT's remote control system is the result of this philosophy: "SSBT NMS System" embeds in a single product state-of-the-art technology, advanced features and easy of use. RDF (Radio Data Frontend), now in the third generation, SNMP advanced management, and NetLOBBY software are the complementary elements leveraging SSBT NMS System full power.

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The Multiple Configuration Flexible Hardware Platform

SDT ARK-DAB SERIES.
All configurations, all modes, all modulations

DAB DigitalAudioBroadcasting

DAB+ Digital Audio Broadcasting

T-DMB

Specifications		
Frequency range	UHF (Band IV/V)	470 to 862 MHz, in 1 Hz Step
	VHF (Band III)	170 to 255 MHz, in 1 Hz Step
Available standards (all standars are full compliant)	Digital TV	DVB-T, DVB-T2, DVB-H, ISDB-Tb, ATSC, ATSC Mobile DTV,DTMB
	Digital Audio Broadcasting	**DAB,DAB+,T-DMB**
	Analog TV	B/G, D/K, M, M1, N, I, I1
Power Supply	AC Line Voltage	380 to 415 (3 phases), 208 to 240 Delta or Star ; 47 Hz to 63 Hz To be specify at order
	AC Line variations	+/- 15%
	Power factor	≥ 0,98
Environmental Conditions	Altitude	2500 m above sea level (> 2500 m on request)
	Operating temperature range	-10 °C to +45 °C at sea level, upper limit derated of 2 °C per 300 m Above Mean Sea Level
	Relative humidity	95 %, not-condensing
	Cooling method	Forced Air / liquid with external heat exchanger with redounded fan
RF output	Output power variation range	+0,5 to -10 dB
	RF load impedance	50 Ohm
	VSWR	Power reduction after exceeding the set value or switch off after three attempts
	RF Output connector	See Specific Data Sheet
Transmitter size	Rack Unit	See Model Specific Data Sheet
	Weight	
	Dimension	
Synchronization	Reference frequency	10 MHz, 0.1 V to 5 V (Vpp) or TTL, BNC
	Reference pulse	1pps (1 Hz, TTL, BNC)
Operations Control and Monitoring	Remote	Web based Java Interface
		SNMP
		Telnet access via ethernet
	Local	Extensive front panel control
		Local terminal on RS232
Compliance and Conformity	RoHS	2002/95/EC
	R&TTE	1999/5/EC
	Safety	EN 60215
	EMC	EN 301-4891-1
	FCC	Part 73
	WEEE	2002/96/EC
	Manufacturing	ISO 9001:2008
Specifications are subject to change without notice		

Models Selection Guide

Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 000 VB ARK6-E1	VHF (III)	A	1 RU			N	Air		-37	1mW	
SDT 500 VB ARK6-E1	VHF (III)	AB	1 RU			N	Air		-37	10	15
SDT 201 VB ARK6-E1	VHF (III)	AB	1+3 RU	1	SCA201	7/16"	Air		-37	200	300
SDT 201 VB ARK6-E1-C	VHF (III)	AB	2 RU	1	SCA201	7/16"	Air		-37	200	300
SDT 501 VB ARK6-E1	VHF (III)	AB	15 RU (4+1)	1	SCA501	7/16"	Air		-37	200	300
SDT 501 VB ARK6-E1-C	VHF (III)	AB	3 RU	1	SCA501	7/16"	Air		-37	400	600
SDT 102 VB ARK6-E1	VHF (III)	AB	1+5 RU	1	SCA102TB	7/16"	Air		-37	400	600
SDT 102 TM ARK6-E1	VHF (III)	AB	30 RU	2	SCA501TB	7/16"	Air		-37	400	600
SDT 202 VB ARK6-E1	VHF (III)	AB	1+5 RU	1	SCA202TB	7/8"	Air		-37	800	1200
SDT 202 TM ARK6-E1	VHF (III)	AB	30 RU	2	SCA102TB	7/8"	Air		-37	800	1200
SDT 502 VB ARK6-E1	VHF (III)	AB	30 RU	2	SCA202TB	1+5/8"	Air	1	-37	1600	2400
SDT 502 TM ARK6-E1	VHF (III)	AB	40 RU	4	SCA102TB	1+5/8"	Air	1	-37	1600	2400
SDT 502 VB-W ARK6-E1	VHF (III)	AB	40 RU	2	SCA202TB-W	1+5/8"	Liquid	1	-37	1600	2400
SDT 532 VB-W ARK6-E1	VHF (III)	AB	40 RU	3	SCA202TB-W	1+5/8"	Liquid	1	-37	2400	3600
SDT 103 TM ARK6-E1	VHF (III)	AB	40 RU	4	SCA202TB	3+1/8"	Air	1	-37	3200	4800
SDT 103 TM-W ARK6-E1	VHF (III)	AB	40 RU	4	SCA202TB-W	3+1/8"	Liquid	1	-37	3200	4800
SDT 123 TM-W ARK6-E1	VHF (III)	AB	2 x 40 RU	5	SCA202TB-W	3+1/8"	Liquid	1	-37	4000	7200
SDT 133 TM-W ARK6-E1	VHF (III)	AB	2 x 40 RU	6	SCA202TB-W	3+1/8"	Liquid	1	-37	4800	8400
SDT 203 TM ARK6-E1	VHF (III)	AB	2 x 40 RU	8	SCA202TB	3+1/8"	Air	2	-37	6400	9600
SDT 203 TM-W ARK6-E1	VHF (III)	AB	2 x 40 RU	8	SCA202TB-W	3+1/8"	Liquid	2	-37	6400	9600
SDT 303 TM-W ARK6-E1	VHF (III)	AB	4 x 40 RU	12	SCA202TB-W	4+1/2"	Liquid	4	-37	9600	14400
SDT 403 TM-W ARK6-E1	VHF (III)	AB	4 x 40 RU	16	SCA202TB-W	4+1/2"	Liquid	4	-37	12800	19200
SDT 603 TM-W ARK6-E1	VHF (III)	AB	6 x 40 RU	24	SCA202TB-W	6+1/8"	Liquid	6	-37	19200	28800

Specifications and characteristics are subject to change without notice.

SDT 000 ARK-DAB

Digital Audio Broadcasting Transmitter up to 1mW rms

> SDT 000 ARK-DAB

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports. Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom mW rms MER> 37	DAB P Nom mW rms MER>34
SDT000TB-ARK6-E1	VHF (III)	A	1 RU (19" rack), 400 mm			N	Air	-	-37	1	

Specifications and characteristics are subject to change without notice.

SDT 500 ARK-DAB

Digital Audio Broadcasting Transmitter up to 15W rms

> SDT 500 ARK-DAB

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 500VB ARK6-E1	VHF (III)	A	1 RU (19" rack), 400 mm	-	-	N	Air	-	-37	10	15

Specifications and characteristics are subject to change without notice.

SDT 201 ARK-DAB

Digital Audio Broadcasting Transmitter up to 300W rms

> SDT 201 ARK-DAB

> SDT 201 ARK-DAB C

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 201 VB ARK6-E1	VHF (III)	AB	1+3 RU	1	SCA201	7/16"	Air	-	-37	200	300
SDT 201 VB ARK6-E1-C	VHF (III)	AB	2 RU	1	SCA201	7/16"	Air	-	-37	200	300
Specifications and characteristics are subject to change without notice.											

SDT 501 ARK-DAB

Digital Audio Broadcasting Transmitter up to 600W rms

> SDT 501 ARK-DAB

> SDT 501 ARK-DAB C

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 501 VB ARK6-E1	VHF (III)	AB	15 RU (4+1)	1	SCA501	7/16"	Air	-	-37	200	600
SDT 501 VB ARK6-E1-C	VHF (III)	AB	3 RU	1	SCA501	7/16"	Air	-	-37	400	600

Specifications and characteristics are subject to change without notice.

SDT 102 ARK-DAB

Digital Audio Broadcasting Transmitter up to 600W rms

> SDT 102 ARK-DAB

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 102 VB ARK6-E1	VHF (III)	AB	1+5 RU	1	SCA102TB	7/16"	Air		-37	400	600
SDT 102 TM ARK6-E1	VHF (III)	AB	30 RU	2	SCA501TB	7/16"	Air		-37	400	600

Specifications and characteristics are subject to change without notice.

SDT 202 ARK-DAB

Digital Audio Broadcasting Transmitter up to 1200W rms

> SDT 202 ARK-DAB

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 202 VB ARK6-E1	VHF (III)	AB	1+5 RU	1	SCA202TB	7/8"	Air		-37	800	1200
SDT 202 TM ARK6-E1	VHF (III)	AB	30 RU	2	SCA102TB	7/8"	Air		-37	800	1200
Specifications and characteristics are subject to change without notice.											

SDT 502 ARK-DAB

Digital Audio Broadcasting Transmitter up to 2400W rms

> SDT 502 ARK-DAB Version with Dual Driver Option

> SDT 502-W ARK-DAB Liquid Cooled - Version with Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 502 VB ARK6-E1	VHF (III)	AB	30 RU	2	SCA202TB	1+5/8"	Air	1	-37	1600	2400
SDT 502 TM ARK6-E1	VHF (III)	AB	40 RU	4	SCA102TB	1+5/8"	Air	1	-37	1600	2400
SDT 502 VB-W ARK6-E1	VHF (III)	AB	40 RU	2	SCA202TB-W	1+5/8"	Liquid	1	-37	1600	2400

Specifications and characteristics are subject to change without notice.

SDT 532 ARK-DAB

Digital Audio Broadcasting Transmitter up to 3600W rms

> SDT 532 ARK-DAB
with Dual Driver Option

> SDT 532-W ARK-DAB
Liquid Cooled Version with
Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :
- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 532 VB-W ARK6-E1	VHF (III)	AB	40 RU	3	SCA202TB-W	1+5/8"	Liquid	1	-37	2400	3600
SDT 532 VB ARK6-E1	VHF (III)	AB	40 RU	3	SCA202TB	1+5/8"	Air	1	-37	2400	3600

Specifications and characteristics are subject to change without notice.

SDT 103 ARK-DAB

Digital Audio Broadcasting Transmitter up to 4800W rms

> SDT 103 ARK-DAB

> SDT 103 W ARK-DAB
Liquid Cooled Version with
Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 103 TM ARK6-E1	VHF (III)	AB	40 RU	4	SCA202TB	3+1/8"	Air	1	-37	3200	4800
SDT 103 TM-W ARK6-E1	VHF (III)	AB	40 RU	4	SCA202TB-W	3+1/8"	Liquid	1	-37	3200	4800
Specifications and characteristics are subject to change without notice.											

SDT 123ARK-DAB

Digital Audio Broadcasting Transmitter up to 7200W rms

> SDT 123UM-W ARK-DAB
Liquid Cooled Version With Dual Driver

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 123 TM-W ARK6-E1	VHF (III)	AB	2 x 40 RU	5	SCA202TB-W	3+1/8"	Liquid	1	-37	4000	7200

Specifications and characteristics are subject to change without notice.

SDT 133 ARK-DAB

Digital Audio Broadcasting Transmitter up to 8400W rms

> SDT 133UM ARK-DAB

> SDT 133UM-W ARK-DAB
Liquid Cooled Version
with Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 133 TM-W ARK6-E1	VHF (III)	AB	2 x 40 RU	6	SCA202TB-W	3+1/8"	Liquid	1	-37	4800	8400

Specifications and characteristics are subject to change without notice.

SDT 203 ARK-DAB

Digital Audio Broadcasting Transmitter up to 9600W rms

> SDT 203 ARK-DAB
With Dual Driver Option

> SDT 203 W ARK-DAB
Liquid Cooled Version
with Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :
- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 203 TM ARK6-E1	VHF (III)	AB	2 x 40 RU	8	SCA202TB	3+1/8"	Air	2	-37	6400	9600
SDT 203 TM-W ARK6-E1	VHF (III)	AB	2 x 40 RU	8	SCA202TB-W	3+1/8"	Liquid	2	-37	6400	9600

Specifications and characteristics are subject to change without notice.

SDT 303 ARK-DAB

Digital Audio Broadcasting Transmitter up to 14400W rms

> SDT 303 ARK-DAB
Liquid Cooled Version
with Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 303 TM-W ARK6-E1	VHF (III)	AB	4 x 40 RU	12	SCA202TB-W	4+1/2"	Liquid	4	-37	9600	14400
Specifications and characteristics are subject to change without notice.											

SDT 403 ARK-DAB

Digital Audio Broadcasting Transmitter up to 19200W rms

> SDT 403 ARK-DAB
Liquid Cooled Version
with Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799 Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 403 TM-W ARK6-E1	VHF (III)	AB	4 x 40 RU	16	SCA202TB-W	4+1/2"	Liquid	4	-37	12800	19200

Specifications and characteristics are subject to change without notice.

SDT 603 ARK-DAB

Digital Audio Broadcasting Transmitter up to 28800W rms

> SDT 603 ARK-DAB
Liquid Cooled Version
with Dual Driver Option

Main Features

- Supported standards: DAB, DAB+, T-DMB
- Frequency range: VHF (III) 170 MHz to 255 MHz, L band (on request).
- DAB-Modes: I, II, III, IV .
- Network type: MFN, SFN.
- Bandwidth 1.536 MHz.
- Reference Standard: ITU-T G703-G704, EN 300401, EN 300799, EN 302077-2.

- DAB Signal Input :

- ETI (NI) 2.048 MHz or ETI (NA), according to ETSI EN 300 799, Input Connectors: BNC (F), 75 Ω
- EDI (Encapsulation of DAB Interface) according to ETSI TS 102 693 Input Connectors: Ethernet, RJ45

- Integrated GPS Professional Receiver.
- Seamless Inputs switching without broadcasting interruption.
- Integrated SNMPv2 management with events store.
- Integrated GbE interface.
- Digital adaptive linear pre correction.
- Digital non linear adaptive precorrection with automatic curves loading for each channel and power levels.
- Wide Range Power Supply 90-264 V AC (3 phase) in fuse-free configuration (SW Standby Switch).
- Typical MER: > 34 dB at all power levels and in all channels with shoulder distance > 37 dB without mask filter.
- Quick-acting protection circuits against overpower and direct/reflected power.
- Protection against reflected power with automatic fold-back.
- High Definition Color Display

Description

Compact, flexible and easy to use the SDT ARK-DAB transmitters features a built-in SFN adapter and very advanced SWDT® (Software Defined Transmitters) technology, typical of this series of products.

The SWDT® technology allows selecting parameters in various ways: remotely, using a clean contact; via SNMP commands; via TCP/IP, using the Web graphic interface.

An innovative firmware allows zero error signal processing thanks to an internal 32 bit architecture.
Functional interfaces are available for total remote control of the apparatus by means of serial protocols or TCP/IP ports.
Thanks to the internal Web server the apparatus can be easily monitored and configured using a LAN connection and a standard Web browser.

Moreover, the built-in SNMPv2 server allows performing all types of automated remote control.

The high reliability of the transmitter family makes it ideal for basic broadcasting coverage in urban and metropolitan areas, for example.
Scalable and flexible system configuration permit Various redundancy concepts such as dual drive, passive standby or N+1 can be implemented to maximize availability.

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	Kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders (@ Fo ± 0,770 MHz DAB)	DAB P Nom W rms MER> 37	DAB P Nom W rms MER>34
SDT 603 TM-W ARK6-E1	VHF (III)	AB	6 x 40 RU	24	SCA202TB-W	6+1/8"	Liquid	6	-37	19200	28800

Specifications and characteristics are subject to change without notice.

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NOTE

NOTE

ScreenService
IT WORKS.

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