SDT 501 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 1000W ps/350W rms



> SDT 501 ARK-6

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

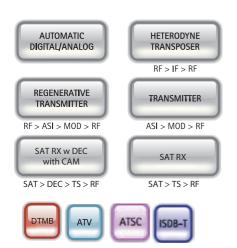
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features





Front View. Transposer and Transmitter Version



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter Version



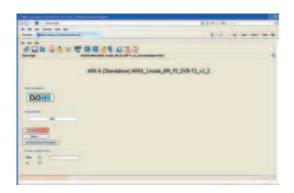
Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC

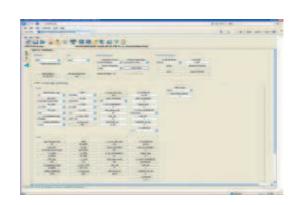
	MODEL SPECIFIC DATA											
Models		Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV	
SDT 501UB ARK-6 HE	UHF	AB	15 RU (4+1)	1	SCA501	7/8	Air	-	-39	350 W	1000 W	
SDT 501UB ARK-6	UHF	AB	15 RU (4+1)	1	SCA501	7/8	Air	-	-36	150 W	700 W	
SDT 501TB ARK-6	VHF (III)	AB	15 RU (4+1)	1	SCA501	7/8	Air	-	-36	150 W	700 W	
Specifications and charac			. ,	'	3CA501	//8	AII	-				



GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 102 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 2000W ps/700W rms



Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

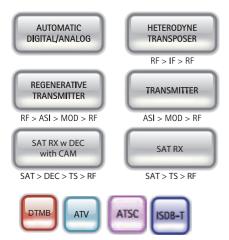
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features





The New SDT ARK-6 SERIES is available in different hardware configurations.



Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

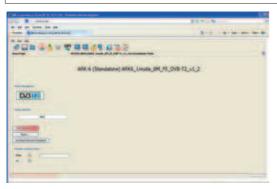
General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC



Front View. Transmitter Version

	MODEL SPECIFIC DATA												
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV		
SDT 102UB ARK-6 HE	UHF	AB	1+5 RU	1	SCA102HE	7/16	Air		-39	700 W	2000 W		
SDT 102UM ARK-6 HE	UHF	AB	30 RU	2	SDT501HE	7/16	Air		-39	700 W	2000 W		
SDT 102UB ARK-6	UHF	AB	1+5 RU	1	SCA102UB	7/16	Air		-36	300 W	1400 W		
SDT 102UM ARK-6	UHF	AB	30RU	2	SCA501UB	7/16	Air		-36	300 W	1400 W		
SDT 102TB ARK-6	VHF (III)	AB	1+5 RU	1	SCA102TB	7/16	Air		-36	300 W	1400 W		
SDT 102TM ARK-6	VHF (III)	AB	30 RU	2	SCA501TB	7/16	Air		-36	300 W	1400 W		

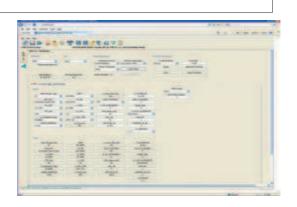
Specifications and characteristics are subject to change without notice.



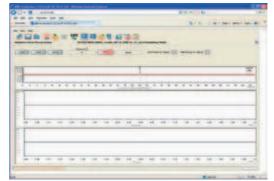
GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 202 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 3000W ps/1300W rms



> SDT 202 ARK-6

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

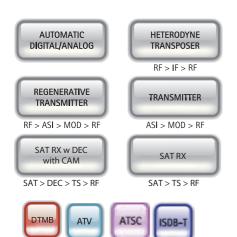
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features



The New SDT ARK-6 SERIES is available in different hardware configurations.



Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

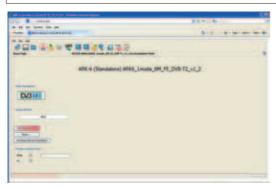
General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC



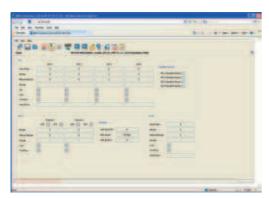
Front View. Transmitter Version

	MODEL SPECIFIC DATA												
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV		
SDT 202UB ARK-6 HE	UHF	AB	1+5 RU	1	SCA202HE	7/8	Air		-39	1300 W	3000 W		
SDT 202UM ARK-6 HE	UHF	AB	30 RU	2	SCA202HE	7/8	Air		-39	1300 W	3000 W		
SDT 202UB ARK-6	UHF	AB	1+5 RU	1	SCA202UB	7/8	Air		-36	700 W	2800 W		
SDT 202UM ARK-6	UHF	AB	30RU	2	SCA202UB	7/8	Air		-36	700 W	2800 W		
SDT 202TB ARK-6	VHF (III)	AB	1+5 RU	1	SCA202TB	7/8	Air		-36	700 W	2800 W		
SDT 202TM ARK-6	VHF (III)	AB	30 RU	2	SCA202TB	7/8	Air		-36	700 W	2800 W		

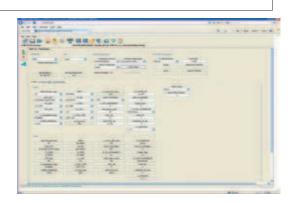
Specifications and characteristics are subject to change without notice.



GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 502 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 6000W ps/2600W rms



> SDT 502 ARK-6 Version with Dual Driver Option



> SDT 502 ARK-6 Liquid Cooled - Version with Dual Driver Option

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

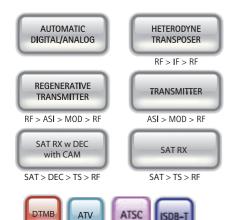
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

• Modulation: COFDM/single carrier

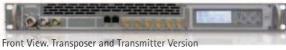
• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features









Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



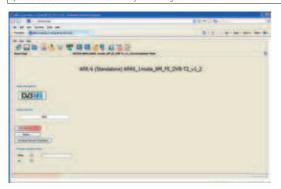
Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC

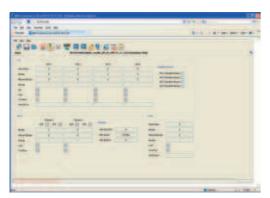


Front View. Transmitter Version

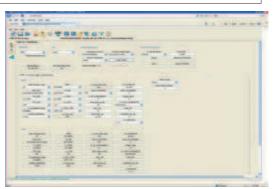
MODEL SPECIFIC DATA												
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV	
SDT 502UB ARK-6 HE	UHF	AB	30 RU	2	SCA202HE	7/8	Air	1	-39	2600 W	6000 W	
SDT 502UM ARK-6 HE	UHF	AB	40 RU	4	SCA102HE	7/8	Air	1	-39	2600 W	6000 W	
SDT 502UB-W ARK-6 HE	UHF	AB	40 RU	2	SCA202HE-W	7/8	Liquid	1	-39	2600 W	6000 W	
SDT502UB ARK-6	UHF	AB	30 RU	2	SCA202UB	7/8	Air	1	-36	1300 W	5000 W	
SDT502UB-W ARK-6	UHF	AB	40 RU	2	SCA202UB-W	7/8	Liquid	1	-36	1300 W	5000 W	
SDT 502UM ARK-6	UHF	AB	40 RU	4	SCA102UB	7/8	Air	1	-36	1300 W	5000 W	
SDT 502TB ARK-6	VHF (III)	AB	30 RU	2	SCA202TB	7/8	Air	1	-36	1300 W	5000 W	
SDT 502TB-W ARK-6	VHF (III)	AB	40 RU	2	SCA202TB-W	7/8	Liquid	1	-36	1300 W	5000 W	
SDT 502TM ARK-6	VHF (III)	AB	40 RU	4	SCA102TB	7/8	Air	1	-36	1300 W	5000 W	



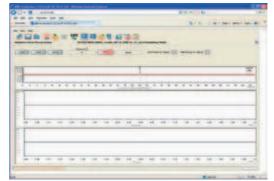
GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 532 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 9000W ps/3900W rms



> SDT 532 ARK-6 Liquid Cooled Version with Dual Driver Option

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

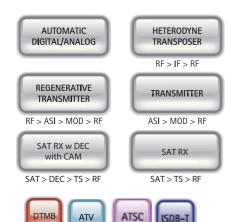
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features







Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC

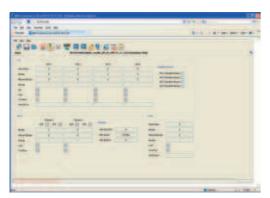


Front View. Transmitter Version

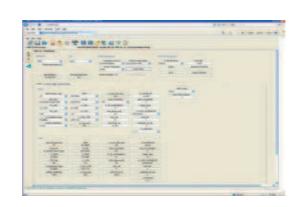
	MODEL SPECIFIC DATA												
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV		
SDT 532UB-W ARK-6 HE	UHF	AB	40 RU	3	SCA202HE-W	7/8	Liquid	1	-39	3900 W	9000 W		
SDT 532UB-W ARK-6	UHF	AB	40 RU	3	SCA202UB-W	7/8	Liquid	1	-36	2000 W	7500 W		
SDT 532TB-W ARK-6	VHF (III)	AB	40 RU	3	SCA202TB-W	7/8	Liquid	1	-36	2000 W	7500 W		



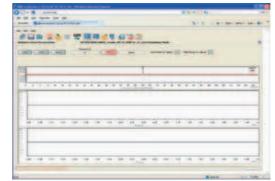
GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 103 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 12000W ps/5200W rms



> SDT 103 ARK-6



> SDT 103 W ARK-6 Liquid Cooled Version with Dual Driver Option

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

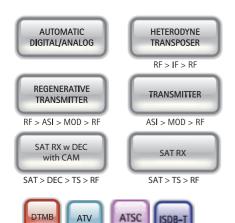
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.





Main Features

• Frequency: VHF, UHF

• Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features





Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC



Front View. Transmitter Version

	MODEL SPECIFIC DATA													
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV			
SDT 103UM ARK-6 HE	UHF	AB	40 RU	4	SCA202HE	7/8	Air	1	-39	5200 W	12000 W			
SDT 103UM-W ARK-6 HE	UHF	AB	40 RU	4	SCA202HE	7/8	Liquid	1	-39	5200 W	12000 W			
SDT 103UM ARK-6	UHF	AB	40 RU	4	SCA202UB	7/8	Air	1	-36	2600 W	10000 W			
SDT 103UM-W ARK-6	UHF	AB	40 RU	4	SCA202UB-W	7/8	Liquid	1	-36	2600 W	10000 W			
SDT 103TM ARK-6	VHF (III)	AB	40 RU	4	SCA202TB	7/8	Air	1	-36	2600 W	10000 W			
SDT 103TM-W ARK-6	VHF (III)	AB	40 RU	4	SCA202TB-W	7/8	Liquid	1	-36	2600 W	10000 W			

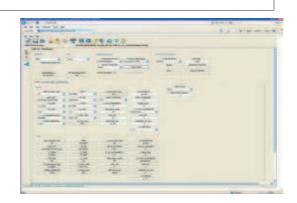
Specifications and characteristics are subject to change without notice.

U 1	217-0	
to the second second	A12 - 414	
SERSERBANG NES		
800.4 (Standature) 8000_Lin	MA SH PE OVE TE AL 2	
TO A STATE OF THE		
DASIE		
-		

GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 123 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 12500W ps/3200W rms



> SDT 123UM-W ARK-6 Liquid Cooled Version With Dual Driver

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

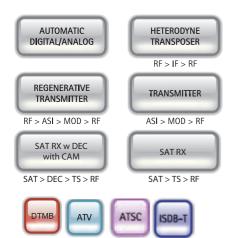
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

• Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features







Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



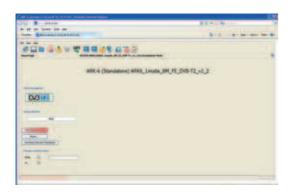
Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC

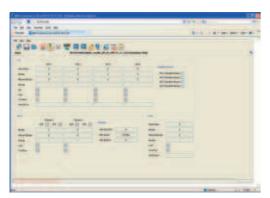


Front View. Transmitter Version

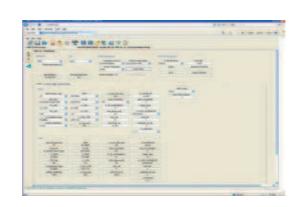
MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV
SDT 123UM-W ARK-6	UHF	AB	40 RU	5	SCA202UB-W	7/8	Liquid	1	-36	3200 W	12500 W
SDT 123TM-W ARK-6	VHF (III)	AB	40 RU	5	SCA202TB-W	7/8	Liquid	1	-36	3200 W	12500 W



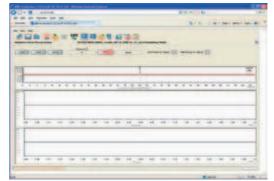
GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 133 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 18000W ps/7800W rms



> SDT 133UM-W ARK-6 Liquid Cooled Version with Dual Driver Option

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

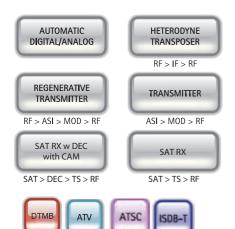
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features







Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

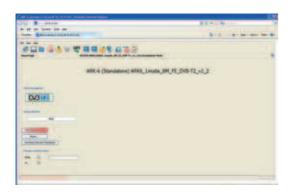
General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC



Front View. Transmitter Version

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV
SDT 133UM-W ARK-6 HE	UHF	AB	2 x 40 RU	6	SCA202HE-W	7/8	Liquid	1	-39	7800 W	18000 W
SDT 133UM-W ARK-6	UHF	AB	2 x 40 RU	6	SCA202UB-W	7/8	Liquid	1	-36	6000 W	16000 W
SDT 133TM-W ARK-6	VHF (III)	AB	2 x 40 RU	6	SCA202TB-W	7/8	Liquid	1	-36	6000 W	16000 W

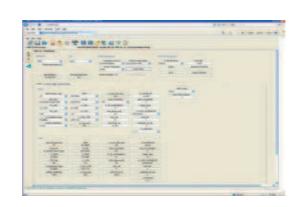
Specifications and characteristics are subject to change without notice.



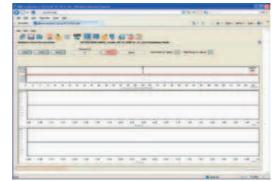
GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 203 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 24000W ps/10000W rms



> SDT 203 ARK-6 With Dual Driver Option

> SDT 203 W ARK-6 Liquid Cooled Version with Dual Driver Option

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

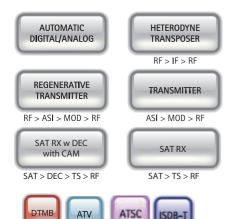
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features







Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC



Front View. Transmitter Version

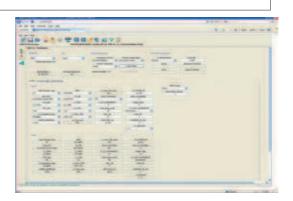
	MODEL SPECIFIC DATA												
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV		
SDT 203UM ARK-6 HE	UHF	AB	2 x 40 RU	8	SCA202HE	7/8	Air	2	-39	10000 W	24000 W		
SDT 203UM-W ARK-6 HE	UHF	AB	2 x 40 RU	8	SCA202HE	7/8	Liquid	2	-39	10000 W	24000 W		
SDT 203UM ARK-6	UHF	AB	2 x 40 RU	8	SCA202UB	7/8	Air	2	-36	5000 W	20000 W		
SDT 203UM-W ARK-6	UHF	AB	2 x 40 RU	8	SCA202UB-W	7/8	Liquid	2	-36	5000 W	20000 W		
SDT 203TM ARK-6	VHF (III)	AB	2 x 40 RU	8	SCA202TB	7/8	Air	2	-36	5000 W	20000 W		
SDT 203TM-W ARK-6	VHF (III)	AB	2 x 40 RU	8	SCA202TB-W	7/8	Liquid	2	-36	5000 W	20000 W		
specifications and charac	teristics are	subject to char	ge without notice.	^	•		1	*	·		•		

800 4 (Standardon) 8000 Linux, SM, FS_0VS-T2_16_2 DASIE

GUI, modulation page.

F. No. Street				KIN N	
Marian Services					
TO DE	***	19:473			
		1	1 3	Access Commence Comme	

GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 303 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 36000W ps/15000W rms - Liquid Cooled Version



Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

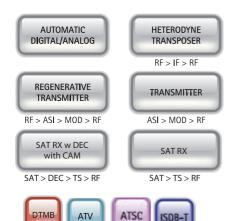
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features







Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control Local terminal on RS-232
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC



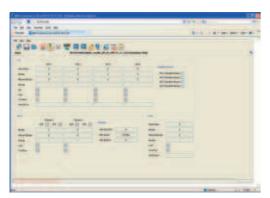
Front View. Transmitter Version

MODEL SPECIFIC DATA											
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV
SDT 303UM-W ARK-6 HE	UHF	AB	3 X 40 RU	12	SCA202HE-W	7/8	Liquid	4	-39	15000 W	36000 W
SDT 303UM-W ARK-6	UHF	AB	3 X 40 RU	12	SCA202UB-W	7/8	Liquid	4	-36	7800 W	32000 W
SDT 303TM-W ARK-6	VHF (III)	AB	3 X 40 RU	12	SCA202TB-W	7/8	Liquid	4	-36	7800 W	32000 W

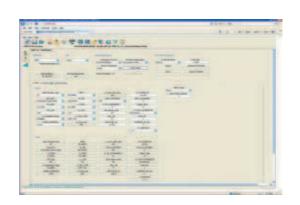
Specifications and characteristics are subject to change without notice.



GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 403 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitter up to 48000W ps/20000W rms - Liquid Cooled Version



> SDT 403 ARK-6 W Liquid Cooled - Version with Dual Driver Option

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

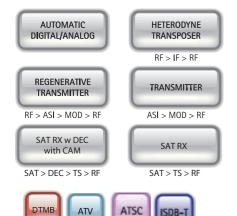
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features







Front View. Transposer and Transmitter Version



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter Version



Front View. Version with Analog Audio/Video Input



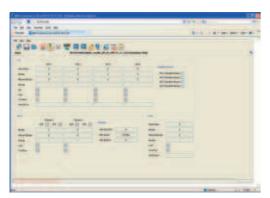
Front View. Transmitter with DVB-S2 Receiver Version with CAM

General Specifications	
Cooling System	Forced air/liquid cooling
Local control and monitoring	Extensive front panel control
Local control and monitoring	Local terminal on RS-232
	Web based Java Interface
Remote control and monitoring	Telnet access via Ethernet
	SNMP
Operating Temperature	-10°C to +45°C
Maximum relative humidity	90%, non condensing
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)
Mains power supply	90-260 V AC

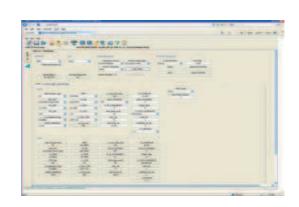
	MODEL SPECIFIC DATA												
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV		
SDT 403UM-W ARK-6 HE	UHF	AB	4 X 40 RU	16	SCA202HE-W	7/8	Liquid	4	-39	20000 W	48000 W		
SDT 403UM-W ARK-6	UHF	AB	4 X 40 RU	16	SCA202UB-W	7/8	Liquid	4	-36	10000 W	40000 W		
SDT 403TM-W ARK-6	VHF (III)	AB	4 X 40 RU	16	SCA202TB-W	7/8	Liquid	4	-36	10000 W	40000 W		
SDT 403TM-W ARK-6				16	SCA202TB-W	7/8	Liquid	4	-36	10000 W	40000 W		

800 4 (Standardon) 8000 Linux, SM, FS_0VS-T2_16_2 DASIE

GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



SDT 603 ARK-6

Heterodyne Transposer, Regenerative Transmitter, Transmitte up to 72000W ps/30000W rms – Liquid Cooled Version



> SDT 603 ARK-6 With Dual Driver Option and Liquid Cooling

Description

The New SDT ARK-6 Series is the result of years of research and represents the state of the art of the worldwide transmitter technology.

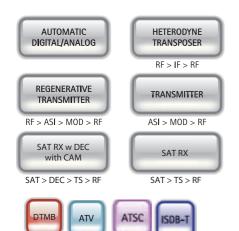
We call it UNIVERSAL DRIVER because of its incredible capability to be all configurations with one hardware and uploading a proper software package.

It is perfect for both international broadcasters which have business in several countries – to increase manageability of investment through reduction of transmitter types – and national broadcasters, due for its versatility in operation modes and configuration. In fact it can be used as a transmitter, a heterodyne transposer, a regenerative transmitter, all in a single hardware.

ARK-6 UNIVERSAL DRIVER is resilient to future evolutions of technology and standardization: this DRIVER guarantees a perfect upgrade path for new modulation schemes that the researchers will delivery.

Besides ARK-6 UNIVERSAL DRIVER already implements DVB-T/T2, ATSC/MH, ISDB-T, DTMB, ATV, DAB modulations.

The SDT ARK-6 allows selection of transmission modes in various ways: remotely, using a dry contact; via SNMP commands; via TCP/IP, using the Web graphic interface; or even via a dedicated command inserted into the transport stream. 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 and updated using a LAN connection and a standard Web browser. More over, the built-in SNMP agent allows full automated remote control.



Main Features

• Frequency: VHF, UHF

Modulation: COFDM/single carrier

• Sub-carrier Modulation: 4QAM, 4QAM-NR, 16QAM, 32QAM, 64QAM

Bandwidth: 6MHz, 7 MHz, 8 MHz
Video Source Coding: MPEG2, H.264

Option Features





The New SDT ARK-6 SERIES is available in different hardware configurations.



Front View. Transposer and Transmitter Version



Front View. Version with Analog Audio/Video Input



Front View. Transmitter with DVB-S2 Receiver Version



Front View. Transmitter with DVB-S2 Receiver Version with CAM

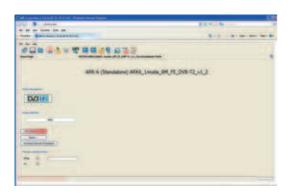
General Specifications						
Cooling System	Forced air/liquid cooling					
Local control and monitoring	Extensive front panel control Local terminal on RS-232					
Remote control and monitoring	Web based Java Interface Telnet access via Ethernet SNMP					
Operating Temperature	-10°C to +45°C					
Maximum relative humidity	90%, non condensing					
Maximum operating altitude	2500 m a.s.l. (> 2500 m on request)					
Mains power supply	90-260 V AC					



Front View. Transmitter Version

MODEL SPECIFIC DATA												
Models	Output Band	Working Class	Dimensions	N. Ampl	kind of Ampl	Output Connector	Cooling	Meter board N.	Shoulders @ Fo ± 4.3 MHz	Digital output power (rms) without Filter DTMB	Nominal analog output power (p.s.) ATV	
SDT 603UM-W ARK-6 HE	UHF	AB	6 X 40 RU	24	SCA202HE-W	7/8	Liquid	6	-39	30000 W	72000 W	
SDT 603UM-W ARK-6	UHF	AB	6 X 40 RU	24	SCA202UB-W	7/8	Liquid	6	-36	15000 W	64000 W	
SDT 603TM-W ARK-6	VHF (III)	AB	6 X 40 RU	24	SCA202TB-W	7/8	Liquid	6	-36	15000 W	64000 W	

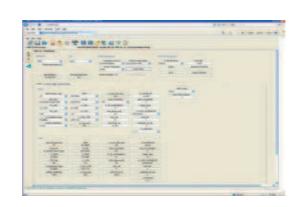
Specifications and characteristics are subject to change without notice.



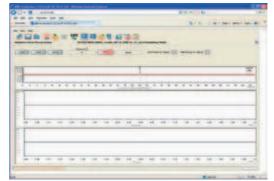
GUI, modulation page.



GUI, input page.



GUI, main page.



GUI, linear pre correction page.



Contacts

Screen Service Broadcasting Technologies SpA

Screen Service Broadcasting Technologies Spa

<u>Headquarters</u> Via G. Di Vittorio, 17 - 25125 Brescia - Italy

R&D Labs Via Lepetiti, 40 - 20020 Lainate (Milano) - Italy

www.screen.it Phone: +39 030 57831 Fax: +39 030 5783888

Sales Director Gianluca Baccalini: gianluca.baccalini@screen.it

<u>Sales</u> Sales@screen.it

Marketing Marketing@screen.it

<u>Technical Support</u> technical.office@screen.it support@screen.it

Skylinks

Skylinks Srl

SS per Voghera Reg. Villoria 93/5F 15057 Tortona (AL) – Italy

www.skylinks.it

Phone: +39 0131 821235 Fax: +39 0131 8662248

<u>General Manager</u> Alessandro Sponchioni: alessandro.sponchioni@screen.it

Sales

sales@skylinks.it

Tivuitalia SpA

Tivuitalia Srl

<u>Head Office</u> Via G. Di Vittorio, 17 - 25125 Brescia Italy

<u>Headquarters</u> V.le Europa 797/C - 55100 Lucca - Italy Via Lepetiti,40 - 20020 Lainate (Milano) - Italy

www.tivuitalia.net Phone: +39 03057831 Fax: +39 0305783888

broadcast@tivuitalia.net

<u>General Manager</u> Franco Ferri: franco.ferri@tivuitalia.net



 $\neg v \wedge v$

Screen Service America Llc

Screen Service America Llc 6095 NW 167th Street, Suite D-10 - Miami, FL 33015 USA Phone: +1 (305) 826-2212 Fax: +1 (305) 826-2290 USA Toll Free 1-888-522-0012 www.screenservice.net

Sales Sales@screen.it

Info info@screenservice.net

Screen Service Do Brasil Ltda

Screen Service do Brasil Ltda Av. dos Alecrins 740 Distrito Industrial Tuany Toledo Pouso Alegre – MG – Brasil CEP 37550-000 Phone: +55 (35) 2102-3100 www.screenbrasil.com.br

Info info@screenbrasil.com.br

<u>General Manager</u> Antonio.satta@screenbrasil.com.br



127

