SCREAM LABORATORIES

MODEL X1 INTERROGATOR 'MAX'

The Scream Laboratories X1 Interrogator is designed to deliver safe electrical stimulation for staging coercive interrogation scenes.

The X1-MAX is an injection moulded case mounted variant and is recommended for use as BDSM dungeon equipment for interrogation play, or as a personal stimulator.

The X1-MAX has the following specific features:

• Lighter than X1-WW2 and approximately 3/4 the size for easier portability.

• More cost effective than the X1-WW2 when use does not include creating content or performances.

The X1-MAX has an identical set of controls to the X1-WW2 but has a central mounted speaker.

The MAX is fitted with a 58mm diameter central voltage knob with highly visible retro style dial.

The X1-MAX is approximately 3/4 the size of the X1-WW2 and 1.75Kg lighter. However the high spec of these cases ensures they will withstand the rigours of air travel and regular use at events.

The case has millitary specification ruggedness to DEF-STAN 81-41 and STANAG 4280. It has water resistance to IP67.

The X1-MAX comes with the following accessories:
• 1X Medical standard, universal power supply including UK, EU, US adapters
• 1X Lavalier microphone.
• 2X Link cable for channel doubling operation.
• 1X 2.5mm to 2.2mm adapter for battery compatibility.
• 2X case keys and 2X keyswitch keys.

(Additional output cables may be ordered with the unit. See www.screamlabs.uk for details)

MODEL X1 COMMON FEATURES

• Four fully isolated electrical stimulation channels with independent level control and 4mm safety sockets. Isolation to EN60601-2-10 medical safety standard.

• High output power and two voltage ranges controlled by key-switch for safety. Stimulation levels comply with EN60601-2-10 medical safety standard.

• Designed and tested to European and international standards and CE marked.

• Large retro styled control panel allowing most settings to be configured directly through physical controls.

• Analogue dial voltmeter with +/-2% tolerance class to read precise levels of output voltage.

• Audio alert and sound effect feature provides audible feedback of output voltage and output trigger events.

• Sensitive microphone trigger tuned to human vocal range.

• Program modes designed specifically for S&M / role-play and staged re-enactments of coercive interrogation. Screamware can be updated via Bluetooth.

• Bluetooth interface to allow remote control via phone or other Bluetooth enabled device.

• High quality branded components and high quality long life potentiometers.

• Flexible power options using external 12V PSU or battery

X1 units are fitted with a high quality, retro style, phenolic case meter that is back-lit for easy visibility in low light environments. Meters have 2.0% accuracy and have toughened glass windows for durability.

SPECIFICATIONS

OUTPUT SPECIFICATION

Output Channels................4 electrically isolated
Output Waveform.............Asymmetric bi-phasic
Output frequency...........................20Hz-1000Hz
Pulse Length (+ve phase).................30us-560us
Output Type..............................Constant voltage
Connection............................4mm safety socket
Short Circuit Duration........Tested 30mins @25C
Open Circuit Duration..........................Indefinite

Chan-chan leakage........<100uA (typical <25uA)
Chan-chassis leakage.....<100uA (typical <50uA)
(Leakage measured with EN60601-1 compliant frequency weighted measuring device)

LV Mode
Output Voltage.........................78V Max nominal
Peak Current (500 ohm load)........142mA typical

Output Current (RMS into 500ohm in any second)
frequency <=400Hz........................<26mA typical
frequency >400Hz..........................<41mA typical

Output Power (RMS into 500 ohm in any second)
frequency <=400Hz.......................<0.34W typical
frequency >400Hz.........................<0.84W typical

HV Mode
Output Voltage........................150V Max nominal
Peak Current (500 ohm load).........274mA typical

Output Current (RMS into 500 ohm in any second)
frequency <=400Hz..........<50mA (typical < 47mA)
frequency >400Hz............<80mA (typical < 75mA)

Output Power (RMS into 500 ohm in any second)
frequency <=400Hz.................................<1.25W
frequency >400Hz......................................<3.2W
(Output current and power available on any channel or all subject to a maximum limit of <6W)

POWER SUPPLY
Input Voltage...12V +/-2V
Over voltage Protection.....................>16V +/-5%
Undervoltage Shutdown................................~8V
Supply Current...<0.8A
Max Input Power..14W
Connection....................4mm socket/2.5mm Jack

INPUT CONNECTORS

Microphone
3.5mm jack with phantom power for PC compatible condenser electret microphones.

External Switch
6mm jack with ground on outer and 5V pullup on centre pin. Pull centre pin <0.8V to activate outputs.

Physical Parameters
Case: Injection moulded polypropylene. Water resistance IP67, mechanical durability to DEF-STAN 81-41 and STANAG 4280.

Dimensions (mm)..............L=414, H=345, D=129
(including feet and handle)
Weight (excluding accessories)...................~3.1Kg
Weight (with accessories)........................~3.45Kg

Environmental Parameters
Operating Temperature Nominal.........10-30degC
Operating altitude....................................< 2000m

ACCESSORIES

POWER ADAPTER
Input Voltage...90-264V
Input Frequency.......................................47-63Hz
Plug adapter type................................UK/EU/US
Max Input power...18W
Efficiency...87% typical

(Power adapter is low leakage current type)
Medical approvals:
UL ANSI/AAMI ES 60601-1
CSA CSA C22.2 No. 60601
TUV EN60601-1
CB IEC60601-1)

MICROPHONE
Compact Electret Microphone
Metal body with tie clip
2.5m cable

X1 SOFTWARE

A control app is available that connects to the X1 via a Bluetooth link. The app
 is currently supported on Android and Windows platforms. The X1 unit runs Screamware
internally and provides the following prgram modes:

PROGRAM MODES (SCREAMWARE 2.1)

- TORMENT (TENS and EMS functions)
- SMOOTH SUFFERING (High frequency and high power)
- BITCH TRAINING (Dog collar emulation)
- TURBO THRUSTER (Multi-channel running pattern)
- RANDOM TORMENT(Randomised outputs)
- RANDOM BITCH (Randomised dog collar mode)
- RANDOMAX TORMENT(Variation of RANDOM TORMENT)
- RANDOMAX BITCH (Varation of RANDOM BITCH)
- PURGATORY (Sequence of increasing torments)
- PURGATORY CHAOS (Sequence of increasing torments with randomised reset)
- PERSISTENT PAIN (Anti habituation waveforms for extended sessions)
- PULSES (General purpose pulse mode)
- RAMP PULSE (Pulses that increase in intensity and length)
- RAMP REPEAT (RAMP PULSE with repeating ramps)
- RAMP INTENSITY (Output ramps in intensity)
- AUDIO ATTACK (High power audio stimulation)

EXTREME MODES (300V OUTPUT CONFIGURATION)

- EXTREME TORMENT (General purpose output mode)
- EXTREME BITCH TRAINING (Higher voltage bitch training mode)
- EXTREME RANDOMAX TORMENT (Random outputs)
- EXTREME RANDOMAX BITCH (Random outputs with BITCH TRAINING pulse)

The Screamware will be updated as the product is developed. Screamware updates are
supported via a Windows application.