

FOR SALE

Used Ross GRAPHITE 4RU 2ME 13IN Integrated Production System

**Complete production system
Compact 4RU chassis
1080P production standard**

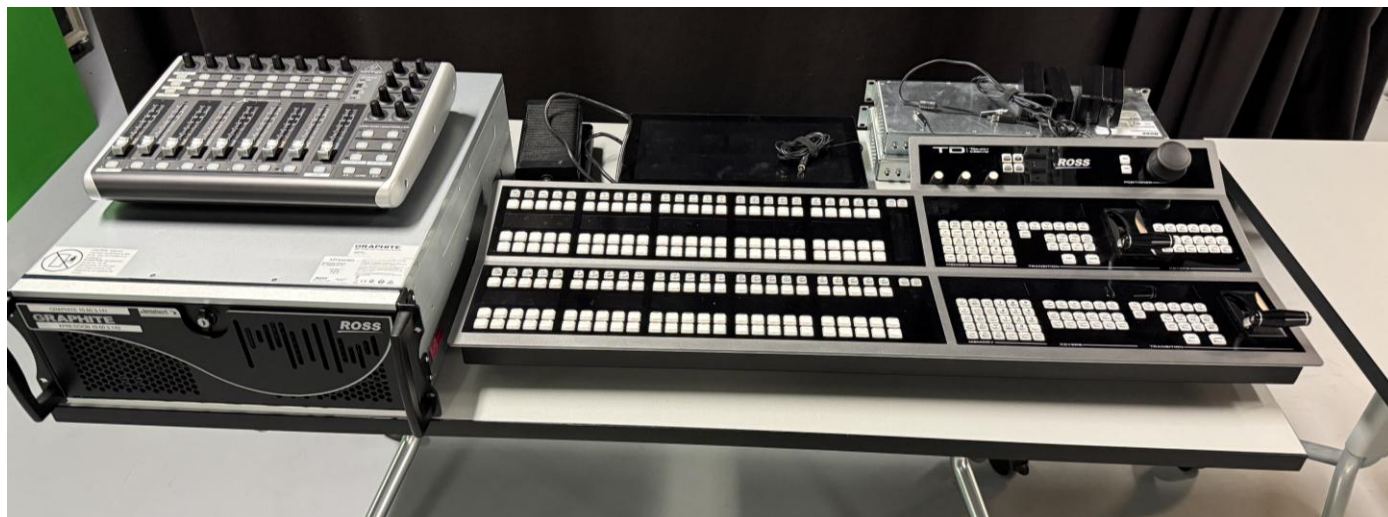
SETUP CONTAINS

**1x Ross Graphite 4RU 2ME / 13IN Integrated Production System
1x Ross TouchDrive 2 ME S Series Panel
1x Ross TouchDrive TouchScreen Display
2x Ross Carbonite Ultra Standard Power Supply
2x Ross RAVE / 1RU Audio Breakout Modules
1x Allen & Heath DT168 Dante Audio Expander
1x Behringer X-Touch Compact USB / MIDI Controller
Graphite, XPression, Clip Server, RAVE Audio and Dante software options**

Used equipment – sold as pictured

Price on request

Excl. VAT • Excl. shipping & insurance • Excl. customs fees



System Summary

Ross Graphite is an integrated live production platform combining video switching, graphics, clip playback and audio in a compact 4RU chassis.

Core Architecture

- Ross Graphite main unit / 4RU chassis
- Integrated Carbonite production switcher / video mixer
- **XPression Graphite / Studio Single Channel Edition graphics functionality**
- **XPression Clips / Clip Server functionality**
- Integrated RAVE audio engine with external RAVE breakout modules
- DashBoard-based Ross control environment
- External Ross TouchDrive 2S control panel and TouchDrive touchscreen display

Included Equipment – Physical Hardware

Qty	Description	Type / Part No.
1	Ross Graphite 4RU Integrated Production System	GRAPHITE-4RU-2ME-13IN
1	Ross TouchDrive 2 ME S Series Panel	TD2S-PANEL
1	Ross TouchDrive TouchScreen Display	TD-TOUCHSCREEN
2	Ross Carbonite Ultra Standard Power Supply	CUF-PSU
2	Ross Audio Breakout Box / RAVE 1RU Audio Breakout Module	GRAPHITE-1RU-AUDBKM_C / 4850AR-205A-01
1	Allen & Heath Dante Audio Expander, 16 Mic Preamps / 8 XLR Line Out	DT168
1	Behringer X-Touch Compact USB / MIDI Controller	X-TOUCH COMPACT
Set	External power supplies / adapters	as pictured

Included Software / Licenses / Workflow Options

Qty	Included option / license	Type / Part No.
1	Graphite Prime Upgrade to Studio Single Channel Ed	GRAPHITE-PRIME-SCE-UPG
1	DataLinq Server Option	XPR-DLQ
1	Clip Server Option	XST-CLIP-SERV
1	Graphite Studio Single Channel Edition Upgrade	GRAPHITE-SCE-XSTF-UPG
1	DANTE VIA™ for Graphite RAVE Audio	—
1	XPression Gateway with Offline Render Engine (SW+H)	XPN-GW-HW-SW-M8
1	XPression CII Gateway (SW Only)	XPN-CIIGW
5	XPression MOS Plug-in (SW Only)	XPN-MOS-PLUGIN
1	Studio Two Fill Option	XST-FILL2
1	XPression INcoder (SW Only)	XPN-INC

Technical Specifications – Carbonite Production Switcher

- 2 ME with 4 Keyers plus MediaWipe Keyer
- 4 MiniME with 2 Keyers each
- 4 2D DVE
- 2 UltraChrome Chroma Keys
- 2 MultiViewers with up to 16 windows each
- 4 channels of MediaStore with audio (dedicated USB port for media)
- 6 frame sync and format converters
- 13 inputs (12 SDI and 1 HDMI)
- 8 outputs (6 SDI and 2 HDMI, fully configurable)
- 256 custom controls per show file
- 100 event memory system per ME and MiniME
- Dedicated network port for communication and control
- Supported control / device protocols: AMP, RossTalk, Yamaha 01V96 and DM1000, PBUS, TSL UMD Tally, VISCA and Canon BU series

Technical Specifications – Graphite / XPression / RAVE

Integrated Graphite / XPression / Clips Functionality

- Integrated Graphite production platform with Carbonite switching, XPression Graphite / Studio Single Channel Edition graphics functionality, clip layout and RAVE audio
- Graphite Prime + Studio Single Channel Edition licensing included
- Clip Server Option included
- DataLinq Server Option included
- XPression Gateway with Offline Render Engine included
- XPression CII Gateway, MOS Plug-ins, Studio Two Fill and XPression INcoder included
- DashBoard-based Ross control environment is part of the Graphite platform

Ross Audio Video Engine (RAVE) / Audio Breakout

- 2x RAVE 1RU Audio Breakout Modules included
- Front panel per unit: 8 analog combo inputs
- Front panel per unit: 5 analog XLR outputs
- Front panel per unit: AES input and AES output
- Rear panel connections: PS1, PS2, USB, Tally, GPIO, Reference, To Frame IN / OUT and SDI EXT IN / OUT
- DANTE VIA™ for Graphite RAVE Audio included
- Allen & Heath DT168 Dante stagebox included

TouchDrive Control and Touchscreen

- Ross TouchDrive 2 ME S Series Panel included
- Two full crosspoint rows for direct source selection
- Integrated transition, memory, keyer and positioner sections
- Ross TouchDrive TouchScreen Display included
- Display connections: USB touch, audio, HDMI, DisplayPort and VGA

Equipment Photos



Overall system overview



Ross Graphite 4RU front view



Ross Graphite 4RU rear view



Ross TouchDrive 2 ME S Series Panel



2x Ross RAVE / Audio Breakout Modules – front



2x Ross RAVE / Audio Breakout Modules – rear



Ross TouchDrive TouchScreen Display – front



Ross TouchDrive TouchScreen Display – rear



Behringer X-Touch Compact – front



Behringer X-Touch Compact – rear connections

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