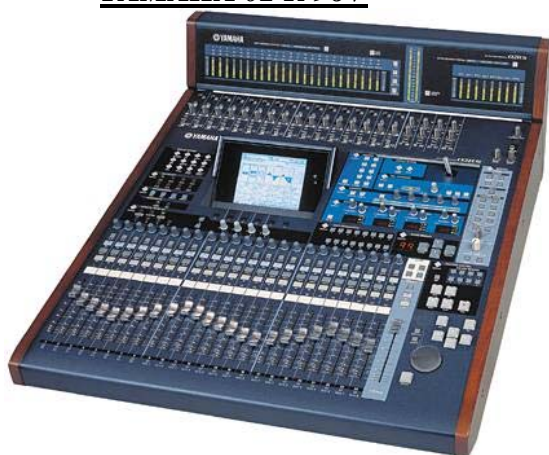


Art&Music Studio technical card

Studio's Mixers:

- Yamaha 02R96V2 expanded with: meter bridge, n 3 MY16-AT; n 1 MY8-AT;n 1 MY8-AEB
- N2 Yamaha 01V
- Yamaha Mx 20/6
- Yamaha Mg 16/4
- N2 Behringer 602A
- Denon X1500S

- YAMAHA 02 R 96V



General Specification

Internal processing 32-bit (Accumulator 58-bit)
Sampling frequency rate Internal 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
External Normal rate
44.1 kHz(-10%) to 48 kHz(+6%)
Double rate
88.2 kHz(-10%) to 96 kHz(+6%)
Fader 25x 100mm motorized, touch sensitive fader
Total harmonic distortion*
Input Gain=Min. Less than 0.05%, 20Hz to 20 kHz @+14dB into 600ohms
Less than 0.01%, 1kHz @+18dB into 600ohms
CH INPUT to STEREO OUT
(@Sampling frequency = 96 kHz)
Frequency response 0.5, -1.5dB, 20Hz to 20 kHz @+4dB into 600ohms
(@Sampling frequency = 48 kHz)
0.5, -1.5dB, 20Hz to 40 kHz @+4dB into 600ohms
(@Sampling frequency = 96 kHz)
Dynamic range
(maximum level to noise level) 110dB typ. DA Converter (STEREO OUT)
105dB typ. AD+DA (to STEREO OUT)
Hum & noise level **

(20Hz to 20kHz)

Rs=150ohms

Input Gain=Max

Input Pad=0dB

Input Sensitivity=-60dB -128dB Equivalent Input Noise.(20Hz to 20 kHz)

-92dB residual output noise. STEREO OUT

STEREO OUT off.

-92dB(98dB S/N) STEREO OUT,

STEREO fader at nominal level and all CH INPUT faders at minimum level.

-64dB(68dB S/N) STEREO OUT

STEREO fader at nominal level and one CH INPUT fader at nominal level

Crosstalk(@1kHz)

Input Gain=Min 70dB adjacent input channels (CH1 to 24)

70dB input to output

Power requirements Japan: AC100V 50/60Hz, 200W

North America: AC120V, 60Hz, 200W

Other Areas: AC220-240V, 50/60Hz, 200W

Power consumption 190W (with MB02R96)

Dimensions 02R96: 667 x 239 x 697 mm (26.3" x 9.4" x 27.4")

With MB and SP: 700 x 352 x 762 mm

Weight34kg (75lbs)

* Total Harmonic Distortion is measured with a 6dB/octave filter @80kHz

** Hum & Noise are measured with 6dB/octave filter @12.7 kHz ; equivalent to a 20 kHz filter with infinite dB/octave attenuation.

Libraries

Effect libraries: factory presets 52(EFFECT3-4 :44) 76 user libraries

Compressor libraries: 36 factory presets 92 user libraries

Gate libraries: 4 factory presets 124 user libraries

EQ libraries: 40 factory presets 160 user libraries

Channel libraries: 2 factory presets 127 user libraries

Surround Monitor libraries: 1 factory presets 32 user libraries

Input patch libraries: 1 factory presets 32 user libraries

Output patch libraries: 1 factory presets 32 user libraries

Bus to stereo libraries: 1 factory presets 32 user libraries

• **YAMAHA 01V**



General Specification

Input Channels

24 input channels, including 16 built-in analog inputs (with +48V phantom powering on 12 channels), plus 8 optional digital inputs (ADAT, TSCAM, AES/EBU formats available).

Outputs

4 freely assignable analog outputs, plus expansion options for 4 additional analog outputs, or 8 assignable digital outputs.

Expansion Slot

Digital I/O expansion slot for optional multitrack recorder interface card (ADAT, TSCAM, AES/EBU format options), plus other card options.

Coaxial-Type Digital Stereo Input and Output

Coaxial-type digital stereo input and output, and balanced XLR-type stereo outputs.

Panel Controls

Centrally located, dedicated panel controls for the four bands of EQ - just like the 02R - and a dedicated pan control.

Multi-Effects Processors

Two internal stereo multi-effects processors

- **YAMAHA MX20/6**



Mono Inputs: 16

Stereo Inputs: 2

4 Group Busse

LED Peak-Anzeigen

3-Band Kanal EQ

2 Aux Busse (Aux1: Pre-Fader, Aux2: Pre- oder Post-Fader)

Inserts: Kanal 1-8

Effect Send

7-Band Stereo Graphic EQ

16 digitale Effekte

C-R/Phones Ausgang

100mm Stereo Fader

Mono Ausgang

Tape In/ RecOut

Frequenzgang: 20Hz - 20kHz

Befestigung für eine BNC-Lampe

- **YAMAHA MG 16/4**



16 channel mixer, 8 mono microphone-/line-/xlr-/jack/inputs 2 microphone-/line-/xlr-/ stereo line-/jack - inputs, 2 stereo line-/jack-inputs, 2 stereo aux returns, 2 auxsends, 10 inserts, 3-band eq, low cut filter 18dB, highend microphone preamp, 48V phantompower,

- **BEHRINGER MX 602A**



6-Channel 2-Bus Mixing Console

- **DENON X 1500S**



Denon's flagship 4-channel mixer sets the standard for Club, Mobile and Battle DJs with powerful, innovative features that allow both flexibility and creativity.

- Metallic Silver or black faceplate finish
- Matrix input
- 3-Band Parametric EQ
- High Performance Flex Fader w/tension adjustment
- Huge headroom. No distortion
- 8 Sec Sampler
- 9 Internal digital effects
- Cross Fader/Channel Fader Start
- USB port, World's First

Studio's Speakers:

- N2 Dynaudio Air25 (1200 watt rms each)
- N4 Lem Pegasus Sat 212 Powered (900 watt rms each)
- N2 Lem Pegasus Sub 118 Powered (900 watt rms each)
- N2 Phonic Sem712 Loud(150 watt rms each) + phonic Max 2500(250 watt rms for channel)
- N2 Lem PFM 10.2 Loud (80 watt rms each) + Emb p 300 (100 watt rms for channel)

Singer's Room's Speakers:

- N2 Yamaha AX12 Loud (600 watt rms each) + Behringer EP2500Europower (600 watt rms for channel)
- N2 Yamaha C112VA (700 watt rms each) + Crown xls 602 (800 watt rms for channel)

Studio's Dekstop Computers:

- **Mac Pro**



System: Mac OS X Leopard and Windows Xp Professional

Configuration:

2 quad core of 3,2GHz

10 GB of RAM

3,5 TB of storage memory

Audio Device:

n. 2 MOTU208Mk3 (total: 16 balanced jacks in/16 balanced jack out; 48 ADAT in 48 ADAT out;48 TASCAM TDIFI/0 in 48 TASCAM TDIFI/0 out; 2 S/PDIF in 2 S/PDIF out; 2 World Clock in 2 World Clock out)

Midi Interface:

Motu Timepiece AV (8x8 MIDI interface patchbay, and merger with synchronizer)

Monitors:

N3 LG Flatron1919S 19"; Toshiba Regza 42"full HD

Programs:

Cubase 5.1 ; Logic Pro 8; Nuendo 3; Ableton Live 7; WaveLab5; SoundForge8; Fruity Loops; Waves Platinum; Waves SSL4000; PSP (all); Blue (All); Guitar Ring; Auto Tune 4; Antares Filter; Antares Microphone Modeler; Trilogy; Native Instruments (all); Rob Papen (all); Korg Legacy Collection; PSp (all); Arturia (all); Final Cut studio 2; Adobe CS3&CS4 Magnitude Suite; Nero 9; Rfx(all); Athmospere; Discovery; Eastwest orchestra gold edition and Xp; LinPlug (all); Eastwest Vapo; Final Server and more

Use:

This computer is used for mix, record, audio montage, audio editing, mastering and midi management

- **Intel (R) Pentium (R)**

System: Windows Xp Professional

Configuration:

Quad core 3,2 GHz

4 GB of RAM DDR2

2,5 TB of storage memory

N 2 Monitor LCD 19''

Audio Device & Midi Interface:

RME Hammerfall HDSP 96/52 (24 ADAT in 24 ADAT out; 1 S/PDIF in 1 S/PDIF out; 2MIDI in 2 MIDI out; 1 World Clock in 1 World Clock out)

Monitors:

N2 LG Flatron1919S 19''

Programs:

Giga Studio 3 with all libraries; Cubase 4; Acid 6; Ableton Live6; Amply Tube; Arturia(all); iZotope (all); Lexiton (all);Blue (all); Grooveagent; Minimoog V; WaveLab6; Waves Platinum; Waves SSL4000; PSP (all); Guitar Ring; Antares Auto Tune 4; Antares Filter; Antares Microphone Modeler; Ivory Piano; Trilogy; Fm8; Halion3; Hipersonic; JamStix; Korg (all); Linplug (all); Liquid Instruments; Ravity; BandstandVST; CronoX3; Fact2; Vendetta; Pro53; Albino; B4II; Nero 7; More of 100 GB of Loops; Final Server

Use:

This computer is used for manage the Giga Studio 3 and all the project constructed in Acid 6

- **Intel(R) Pentium(R)**

System: Windows Xp Professional Service Pack 2

Configuration:

Dual Core 2,8GHz

4 GB of RAM DDR2

4 TB of storage memory

N 2 Monitor LCD 19''

Audio Device:

M-Audio Delta 10-10 (8 balanced jack in 8 balanced jack out; 1 S/PDIF in 1 S/PDIF out; 1MIDI in 1 MIDI out; 1 World Clock in 1 World Clock out)

Midi Interface:

M-Audio MidiSport 4x4 (4 midi in 4 midi out)

Monitors:

N2 LG Flatron1919S 19''

Programs:

Steinberg V-Stack; Cubase 3.2; Waves Platinum; Waves SSL4000; PSP (all); Blue (All); Guitar Ring; Antares Auto Tune 4; Antares Filter; Antares Microphone Modeler; Spectrasonics Atmosphere; Groove Agent 2; Steinberg Hiperonic 2; Korg Legacy Cell; Korg MS-20; Korg Polysix; Korg Wavestation; LinPlug Albin 2; Linplug SaxLab; Steinberg The Grand 2; Spectrasonic Trilogy; Wizoo Darbuka; Wizoo Latigo; X-trem Fx; Xphraze; East West Adrenaline; East West Symphonic Orchestra Platinum Edition; Native Instruments Intakt Afrolatin Slam; Native Instruments Akoustic Piano; Native Instruments Intakt Artist Groove; Native Instruments Kompakt Artist Drums; Native Instruments B4II; Native Instruments Intakt Beats Working in Cuba; East West Kompakt Bosendorfer 290 Grand Piano; Native Instruments Kontakt Chris Hein Horns; East West Kompakt Colossus; Native Instruments Elettrik Piano; Fm7; Native Instruments Kontakt Garritan Jazz; East West Kompakt HardcoreBass; Native Instruments Intakt Konzept+Funktion; Native Instruments Kontakt 2; Arturia Moog Modular 2; Native Instruments Kompakt Morphology; Native Instruments Intakt Nu Jointz; Native Instruments Intakt Operating Table; Eastwest Intakt Percussive Adventures 2 LE; Native

Instruments Kontakt Personal Orchestra; Pro 53; East West Kompakt Quantum Lepera; East West Intakt StromBreakz; East West Symphonic Choirs; Native Instruments Intakt Wired- The Elements of Trance; Steinberg Halion 3; Final Server

Use:

This computer is used for manage the V-Stack; as a maxi samples machine and to record the processed master out coming from the t.c. Electronic Finalizer that will compress the mixdown coming from the master out of the 02R96.

• **Intel(R) Pentium(R)**

System: Windows Xp Professional Service Pack 2

Configuration:

3,2 GHz

2 GB of RAM DDR

300 GB of storage memory

Audio Device & Midi Interface:

Sound Bluster Audigy Live 2

Monitors:

N1 LG Flatron1919S 19"

Programs:

Microsoft World; Microsoft Office; Microsoft Outlook; Microsoft Power Point; Microsoft Excell; Windows Media Player; DVD Player; Real Player; Opera; Skype; Kaspersky; Inter Video Win Dvd; Nero7; Final Server

Use:

This computer is used for Mail, Internet; Studio Administration; Contability and for throw the texts to the singer in the singer's room

• **Intel(R) Pentium(R) (Frankenstein)**

System: Windows Xp Server 2003

Configuration:

Dual Core 3,2 GHz

3 GB of RAM

8 TB of storage memory

Audio Device & Midi Interface:

Edirol UA20

Monitors:

N2 LG Flatron1919S 19" Sharp TCO 15"

Programs:

Microsoft World; Microsoft Office; Kaspersky; Final Server

Use:

This computer is used as a Server , for make the backup of all the other studio's computers and of all the memory of 02R96; for manage the 02R96 tanks to his Studio Manager and for throw photos, videos, work session at the studio's projector

• **Intel(R) Pentium(R)**

System: Windows Xp Server 2003

Configuration:

Dual Corer 2,6 GHz

4 GB of RAM

20 TB of storage memory

Monitors:

N1 LG Flatron1919S 19" Sharp TCO 15"

Programs:

Microsoft World; Microsoft Office; Kaspersky; Final Server

Use:

This computer is used as a Server , for make the backup of all the other studio's computers and of all the memory of 02R96

Studio's Notebooks:

- **Mac Book Pro 17"**



System: Mac OSX Leopard and Windows Xp Professional Sp2

Configuration:

2,6 GHz Intel Core Duo

4 GB of RAM

160 GB of HD Serial ATA 7200 giri minuto

Monitor: 17"

Audio &Midi Interface:

RME Fireface 400

Programs:

Cubase 5 ; Logic Pro 8; Nuendo 3; Ableton Live 7; WaveLab5; SoundForge8; Fruity Loops; Waves Platinum; Waves SSL4000; PSP (all); Blue (All); Guitar Ring; Final Cut Studio 2; Auto Tune 4; Antares Filter; Antares Microphone Modeler; Trilogy; Native Instruments (all); Rob Papen (all); Nero 9; Korg Legacy Collection; PSP (all); Adobe CS3&CS4 Magnitude Suite; Athomosphere; Arturia (all)

Use:

This computer is used as a portable workstation

Studio's External HDs:

- 2 Lacie 500 GB each
- 2 Manhattan 300 GB Each
- 1 Manhattan 250 GB

Studio's Microphones:

- 1 Neumann TLM 103
- 1 Rode NT1000

- 1 Rode NT 1
- 1 Samson C01
- 6 Shure C 606
- 1 Shure SM 58
- 1 Audio Technica ATM 10 A
- 1 LEM Wireless L2000 SD
- 2 SHURE Wireless Beta 58
- 1 StageLine DM 1100
- 1 Lem LM20

Studio's Instruments:

- Yamaha Acoustic Piano Silent MP300 S
- Hammond B3 with Leslie 147 (played in the lost Europe concert of BB King)
- Rhodes Stage Piano Mark II
- Roland XV-88
- Yamaha P-200
- Fender Stratocaster
- Marshall Valvestate 80V
- Fender Acoustic Guitar
- N 12 Blues Harps (one for any key)

Studio's Dj Console:

- N2 Pioneer CDJ 100
- N3 Technics SL 1200MK2 with 3 Ortofon Concorde Twins DJ'S
- N1 Denon X1500S

Studio's Headphones:

- N 1 Sony MDR-7509
- N 1 Sennheiser HD 280 Pro
- N 2 AKG 171
- N 2 AKG 141 Studio

Studio's UPS:

- N4 Belkin
- N4 Trust

Studio's Outboards & Various:

- Avalon Vt737Sp (Valvular Compressor)
- Tc Electronic Finalizer
- N2 Behringer UltralinkPro
- Evolution MK425
- Technics SL 1210MK2 with 1 Ortofon Concorde Twins DJ'S (this record player is used for sampling)
- Kenwood XD452
- LG VC8804M

- EPSON
- EMP-S1H
- Panasonic UF-585
- HP deskjet 990cxi
- Samsung CLP-510
- Epson Stylus photo R 220
- 2 cats (one white and the other black and white: they're the studio's mascottes)