

The diagram illustrates a complex multimedia system architecture housed within a 19-inch rack (SZAFKA MM). The central components include a power amplifier (WZMACNIACZ MOCY), an audio matrix (MATRYCA AUDIO), a PoE switch (SWITCH PoE), and various control units (WZPŁODZIK, WZPŁODZIK TV, TUNER TV, IR). The system is interconnected using three types of connections: LAN control (green dashed lines), RS232 control (orange dashed lines), and system cabling (blue solid lines). The rack is connected to external devices such as a laptop, an interactive monitor, projectors, and microphones. The diagram also shows the connection of a wall-mounted control panel (ŚCIENNY PANEL STERUJĄCY) and a wall-mounted power outlet (Gniazdo montowane na ścianie za mottorem).

**Legend:**

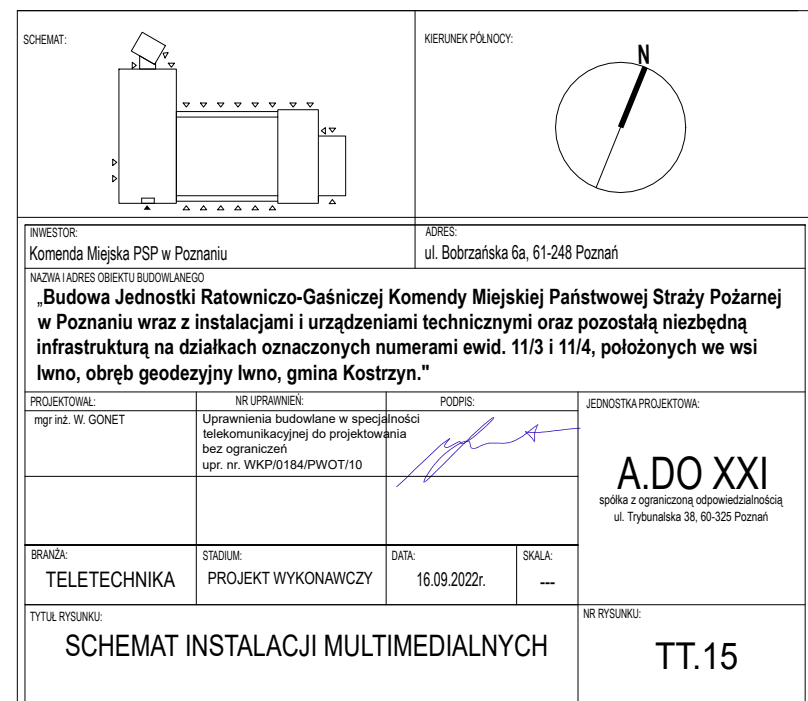
- Sterowanie za pomocą LAN
- Sterowanie za pomocą RS232
- Systemowe kable połączeniowy

**Components and Connections:**

- WZMACNIACZ MOCY** (Power Amplifier): Connected to the **MATRYCA AUDIO** and the **2x1,5mm2** power supply.
- MATRYCA AUDIO** (Audio Matrix): Connected to the **WZMACNIACZ MOCY**, **WZPŁODZIK**, **WZPŁODZIK TV**, and **TUNER TV**.
- SWITCH PoE** (PoE Switch): Connected to the **WZPŁODZIK**, **WZPŁODZIK TV**, **TUNER TV**, and the **Panel rozdzielczy**.
- Panel rozdzielczy** (Distribution Panel): Connected to the **SWITCH PoE** and the **WZPŁODZIK**.
- WZPŁODZIK** (Control Unit): Connected to the **WZMACNIACZ MOCY**, **MATRYCA AUDIO**, **SWITCH PoE**, and the **Panel rozdzielczy**.
- WZPŁODZIK TV** (Control Unit): Connected to the **MATRYCA AUDIO**, **SWITCH PoE**, and the **TUNER TV**.
- TUNER TV** (Tuner): Connected to the **WZPŁODZIK TV** and the **IR** remote control.
- IR** (Infrared Remote): Connected to the **TUNER TV**.
- WZPŁODZIK TV** (Control Unit): Connected to the **MATRYCA AUDIO**, **SWITCH PoE**, and the **TUNER TV**.
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Diagram illustrating the connection of an 86-inch interactive monitor to a server rack and a laptop. The monitor is connected to the server rack via two HDMI cables, a USB cable, and a 2xS/FTP Cat.7 LAN cable. The server rack is connected to a laptop via a LAN cable. The monitor is labeled "Monitor interaktywny 86\"".

The diagram illustrates the network setup for the interactive monitor and laptop. A laptop is connected to a switch (VPLUND-TX) via HDMI and USB. The monitor is connected to a switch (VPLUND-RX) via HDMI and USB. Both switches are connected to a central switch (RJ45 LAN) via 1xS/FTPkaT.7 cables. The central switch is connected to the server (Serwerownia) via a S/FTPkaT.7 cable.



PROJEKT CHRONIONY PRAWEM AUTORSKIM MOŻE SŁUŻYĆ WYŁĄCZNIE DO CELU, DLA KTÓREGO ZOSTAŁ WYKONANY  
UDOSTĘPNIANIE JAKIEJKOLWIEK CZĘŚCI PROJEKTU W JAKIEJKOLWIEK FORMIE - WYŁĄCZNIE ZA ZGODĄ AUTORÓW I  
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