

PCM 的远程控制

通过LAN网口连接，使用浏览器可实现网页浏览发射机的运行参数。不需要任何特定的知识，以简单和直观的方式引入命令和功能。

注意1：显示在以下文本和截屏中的参数仅为示例。

注意2：远程控制和相关设置仅可当如果激励器(或发射机)被预先设置在远程控制状态，即本地选择 “**remote**远程/**local**本地” 的设备必须处于**remote**远程位置，否则通过网页或SNMP控制将只能看到发射机的状态（导频，发射机，系统逻辑或服务代理）和命令无法激活。

Network parameters 网络参数

为了用Web正确操作PCM激励器，必须分配IP参数，此操作需要使用PC等，详见本章的具体段落。建议在安装发射机之前进行此操作;网络参数由网络管理员提供。

下文详细介绍设置和修改网络参数的详细步骤。

Reading of the network parameters 读取网络参数

如果想通过外部PC连接到前面板的LAN接口，如下图所示：



此连接使用的网络参数可以从以下路径之后的PCM显示器读取或可视：

MAIN MENU/主菜单→ System configuration/系统配置→ PCM SETUP /PCM设置 → ETH ADDRESS<FRONT>/网址<前>

最后显示屏显示如下：



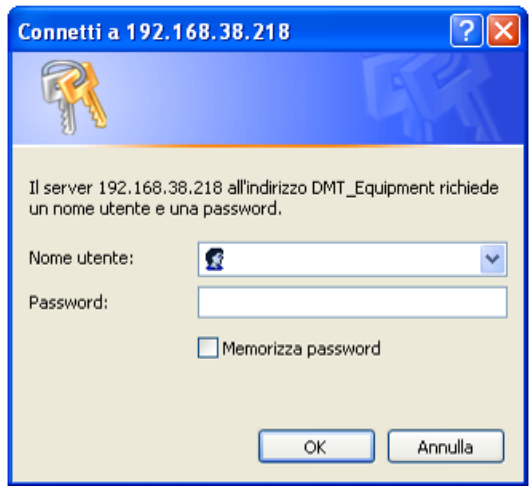
将这些参数加载到PC的TCP Web页面中，更改IP地址的最后三位数字.比如 IP = 192.168.0.1。

然后打开网络浏览器，输入激励器PCM的IP地址：<http://192.168.000.003>

需要输入密码：

默认： **User name**用户名: admin

Password密码: adminuser

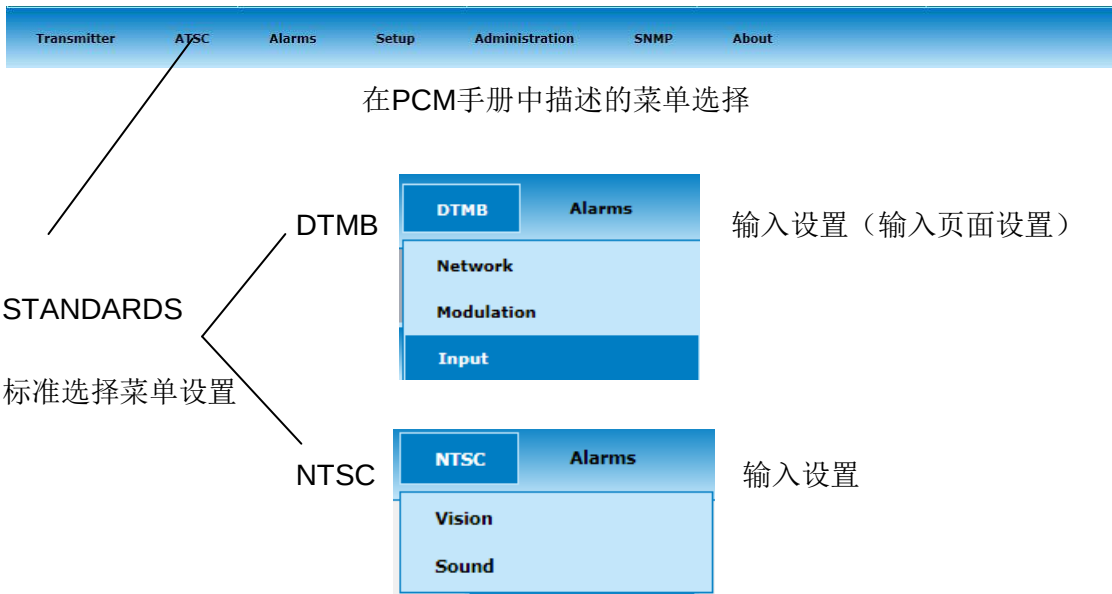


Web pages 网页

The purpose of this document it's to illustrate DTMB and NTSC standards specific web pages.

本文档的目的是说明DTMB和NTSC标准的特定网页。

Selection area:选择区域:



Standard setting: 标准设置

Open the Transmitter menu. Then open the “TX Configuration” page.
Now press the Functional Mode arrow and select the desired standard (DTMB or NTSC).

打开发射机菜单，然后打开“TX Configuration/TX 配置”页面。
按功能模式箭头并选择目标标准（DTMB或NTSC）。

Tx Configuration

Structure

Functional Mode: ATSC

Multi-Amplifiers System: Normal

Amplifier Number: 1

Amplifier Code: 541530095

Exciter Type: PCM Master

Internal Amplifier Type: 1 W

Band Mode: UHF

Parallel Interface: Absent

Power Settings

Nominal Power: 430 W 56.3 dBm

Exciter Output Power: 0.275 W 24.4 dBm

Tx Low Power Wrm: -1.5 dB

Tx Low Power Alm: -3 dB

Tx Reflected Power Wrm: -20 dB

Tx Reflected Power Alm: -10 dB

RF ALC: On

N+1 Settings

N+1 Mode: Main

N+1 Address: 10

Main Number: 4

Rsv Set As Number

Reserve Settings

Config For:

Save Load View

Channel Settings

Bandwidth: 6 MHz

Output Frequency: 533 MHz

Offset: 0 Hz

Output Channel: 24

System Settings

Clock Ref.: Ext Ref.

Auto Switch Ref.: Disabled

Auto Switch Ref.Presence: No

TLC Type: Impulsive

Undo Clear Apply

然后按 “Apply/应用” 按钮，以设置发射机的新功能模式。

DTMB标准的网页

DTMB/Network DTMB/网络

选择 “DTMB”，然后显示子菜单 然后按“Network”

DTMB Alarms

Network

Modulation

Input

Go To: Go To: Lockout: Tx status: Not ready: Frequency: 666.00 MHz: Input 1: MPN: Input 2: Sw. status: Tx chl: Remote:

Transmitter **DTMB** Alarms Setup SNMP Administration About

Network

Configs

Network Mode: MPN

Undo Clear Apply

SFN Configs

Control Mode:

PPS Edge:

Lock Window: s

Delay Offset: μs

PPS Hold On Time: s

Net Delay Jitter Window: μs

10 MHz Hold On Time: s

Tx Identifier:

Net Delay Equalization:

Hold Over Time: s

Hold Over Type:

Alarms

SFN Delay Input 1

Max Delay:

Max Net Delay:

Max T Delay:

Net Delay:

Min Net Delay:

Min T Delay:

SFN Delay Input 2

Max Delay:

Max Net Delay:

Max T Delay:

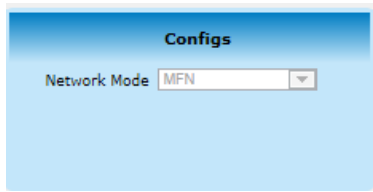
Net Delay:

Min Net Delay:

Min T Delay:

Recalculate

Logged As: factoryAdmin, Administrator



Configs/配置

用该菜单设置配置模式:

- MFN
- SFN (该配置模式尚未实现)

DTMB/输入

选择“DTMB”，然后显示子菜单 然后按“input”



Input Settings/输入设置

Source Input 1: ASI; GbE A (with GBE option)

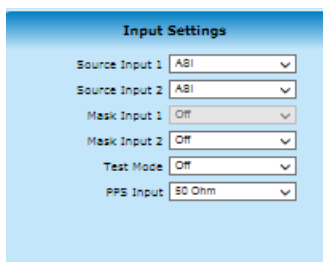
Source Input 2: ASI; GbE A; DVB-S/S2 Rx
(with GBE and SAT options)

Mask Input 1: ON; OFF

Mask Input 2: ON; OFF

Test Mode: OFF; Null

PPS Input: 50 Ohm; HiZ (High Impedance 高电阻)

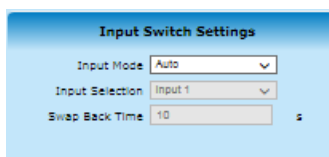


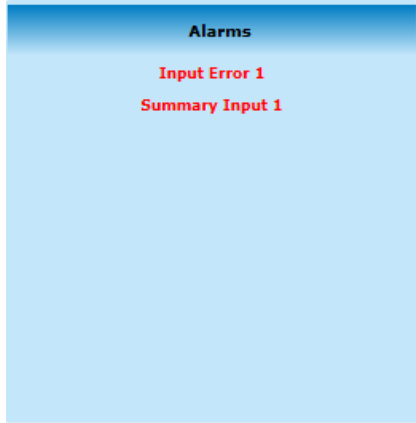
Input Switch Settings/输入切换设置

Input Mode 输入模式: Manual手动; Auto Pref; Auto自动.

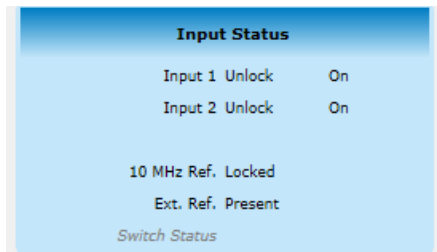
Input Selection 输入选择: Auto自动/Manual手动/AutoPref

Swap Back Time 交换返回时间: 返回先前输入的交换时间





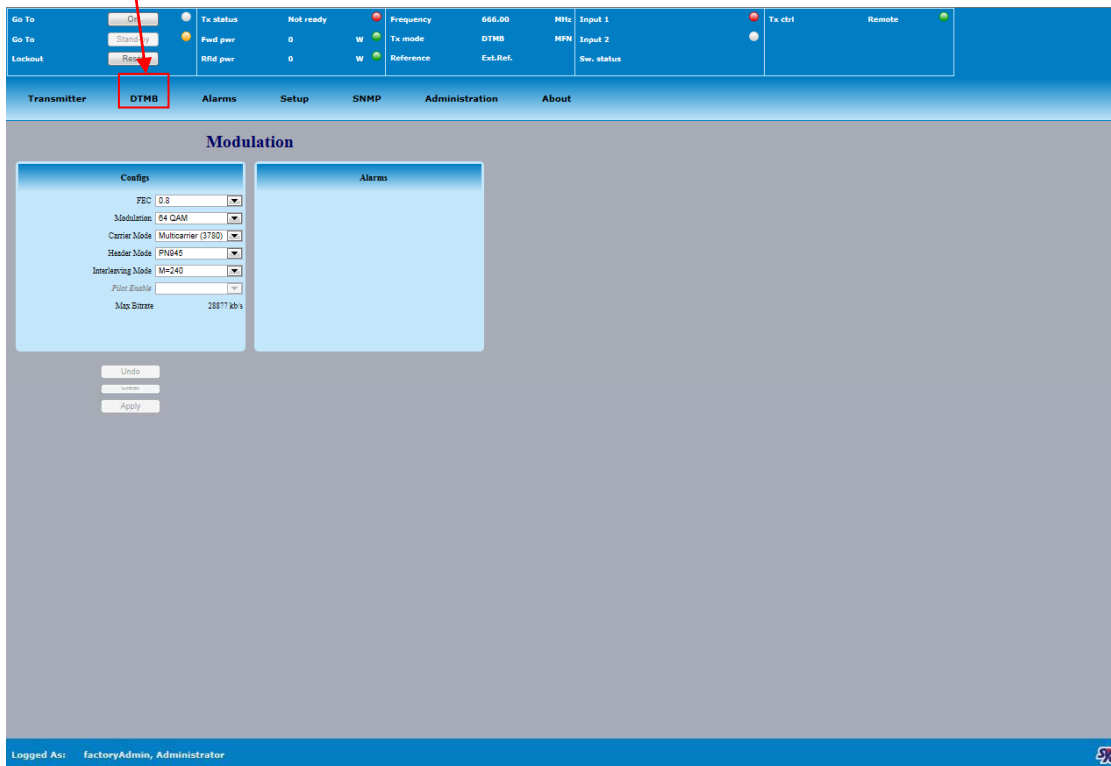
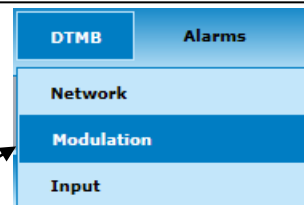
Alarms/告警
显示发射机的告警菜单



Input Status/输入状态
Input 1: 传入的传输流锁定/解锁
Input 2: 传入的传输流锁定/解锁
10 MHz Ref.: 输入 10 MHz Ref 锁定状态
Ext. Ref.: 输入 1 pps Ref 锁定状态
Switch Status切换状态: (仅SFN模式有效) 输入对齐状态

DTMB/ 调制度

选择“DTMB”，然后显示子菜单 然后按“Mdulation”

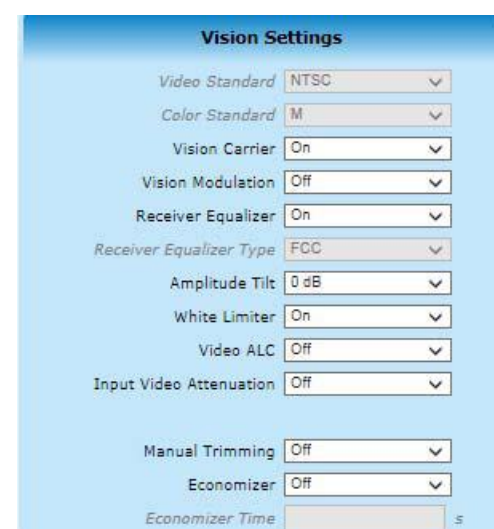


在该页面中报告符合DTMB标准的调制模式。

NTSC 模拟标准的网页

NTSC/视图

选择“NTSC”然后选择子菜单中的“Vision”



Vision Settings

Video Standard视频标准: PAL/NTSC

Color Standard图像标准: (valid for PAL)

Vision Carrier视觉载体: ON; OFF.

Vision Modulation视觉调制度: ON; OFF.

Receiver Equalizer接收机均衡器: ON; OFF.

Receiver Equalizer Type接收机均衡器形式: 选择输入均衡器

Amplitude Tilt振幅倾斜: -1 dB; 0 dB; +1 dB.

White Limiter白限制器: ON; OFF.

Video ALC: ON; OFF.

Input Video Attenuation输入视频衰减: ON; OFF.

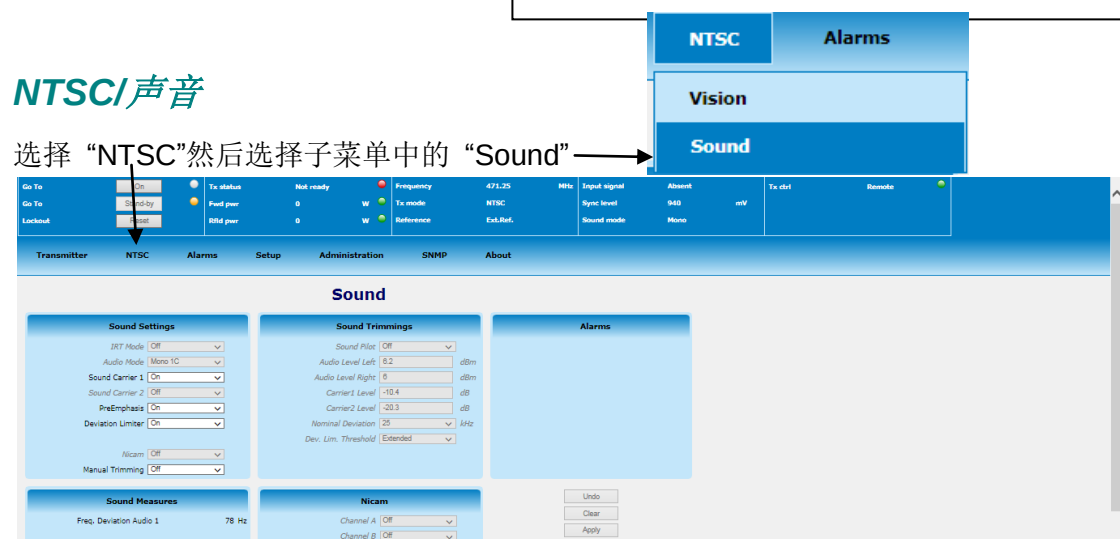
Manual Trimming手动修剪: ON; OFF.

Economizer提效器: ON; OFF.

Economizer Time提效器: 设置提效器激活时间

NTSC/声音

选择“NTSC”然后选择子菜单中的“Sound”





Sound Settings

IRT Mode: Off

Audio Mode: Mono 1C

Sound Carrier 1: On

Sound Carrier 2: Off

PreEmphasis: On

Deviation Limiter: On

Nicam: Off

Manual Trimming: Off

Sound Settings/声音设置

IRT Mode: (valid for PAL)

Audio Mode: (valid for PAL)

Sound Carrier 1: ON; OFF.

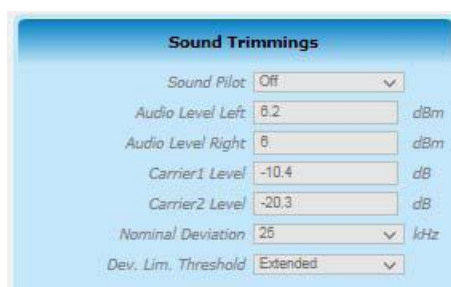
Sound Carrier 2: ON; OFF.

PreEmphasis: ON; OFF.

Deviation Limiter: ON; OFF.

Nicam: (valid for PAL) ON; OFF

Manual Trimming: ON; OFF



Sound Trimmings

Sound Pilot: Off

Audio Level Left: 6.2 dBm

Audio Level Right: 6 dBm

Carrier1 Level: -10.4 dB

Carrier2 Level: -20.3 dB

Nominal Deviation: 25 kHz

Dev. Lim. Threshold: Extended

Sound Trimmings/声音裁剪

Sound Pilot: (valid for PAL) ON; OFF.

Audio Level Left: (valid for PAL)

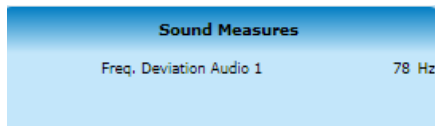
Audio Level Right: (valid for PAL)

Carrier1 Level: (valid for PAL)

Carrier2 Level: (valid for PAL)

Nominal Deviation: (valid for PAL)

Dev. Lim. Threshold: (valid for PAL)



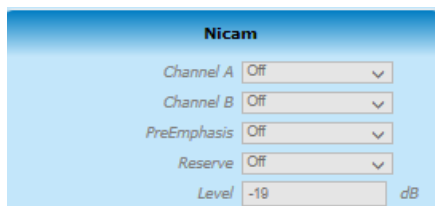
Sound Measures

Freq. Deviation Audio 1: 78 Hz

Sound Measures声音测量

Frequency Deviation Audio 1: Measured value

频率偏移音频 1: 测量值



Nicam

Channel A: Off

Channel B: Off

PreEmphasis: Off

Reserve: Off

Level: -19 dB

Nicam/丽音

启用，当Nicam选项处于活动状态时。

Channel A: ON; OFF.

Channel B: ON; OFF.

PreEmphasis预加重: ON; OFF.

Reserve备用: ON; OFF.

Level 电平: 设置值